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Preface

The *Petroleum Marketing Monthly* (PMM) provides information and statistical data on a variety of crude oils and refined petroleum products. The publication presents statistics on crude oil costs and refined petroleum products sales for use by industry, government, private sector analysts, educational institutions, and consumers. Data on crude oil include the domestic first purchase price, the f.o.b. and landed cost of imported crude oil, and the refiners' acquisition cost of crude oil. Refined petroleum product sales data include motor gasoline, distillates, residuals, aviation fuels, kerosene, and propane. The Office of Petroleum and Biofuels Statistics, U.S. Energy Information Administration ensures the accuracy, quality, and confidentiality of the published data in the *Petroleum Marketing Monthly*.

Scope of data

The data within the *Petroleum Marketing Monthly* are compiled from five Energy Information Administration (EIA) survey forms. The crude oil statistics are calculated from data collected on the following three survey forms: Form EIA-182, "Domestic Crude Oil First Purchase Report"; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report"; and Form EIA-14, "Refiners' Monthly Cost Report."

The statistics on petroleum product sales prices and volumes are derived from Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

The data presented in Tables 45 to 47 are derived from aggregations of data from Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

Sections

Monthly statistics on purchases of crude oil and sales of petroleum products are presented in the *Petroleum Marketing Monthly* in six sections:

- Highlights
- Summary Statistics
- Crude Oil Prices
- Prices of Petroleum Products
- Volumes of Petroleum Products
- Prime Supplier Sales Volumes of Petroleum Products for Local Consumption.

The publication highlights salient statistics for the United States in the Summary Statistics section. More detailed geographic coverage occurs in the other four sections. Geographic coverage for crude oil includes country of origin for foreign crude and Petroleum Administration for Defense (PAD) Districts and individual States for domestic crude oil. Geographic coverage of the petroleum products includes PAD Districts and individual States.

Detailed statistics for crude oil, including the price of imported crude oil by country of origin, by gravity, and by crude stream, can be found in the Crude Oil Prices section.

PAD District and/or State-level statistics for petroleum products are presented in the Prices, Volumes, and Prime Supplier Sales of Petroleum Products sections. To aid the reader in determining the market changes, the majority of the tables show data for the report month and previous month for the current year, and the report month for the previous year.

Notes on the tables

- For the crude oil statistics referencing Form EIA-182, United States includes the 50 States, the outer continental shelf, and the District of Columbia. For crude oil statistics referencing either Form EIA-14 or Form EIA-856, United States

includes the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. For the petroleum products data, United States includes the 50 States and the District of Columbia.

- Prices exclude taxes. Refer to the Explanatory Notes for a tax table on motor fuels.
- Some of the tables use state abbreviations. Refer to the Explanatory Notes for a table of U.S. Postal State abbreviations.
- Sales of leaded gasoline are a component of averages and totals prior to October 1993.
- References to "Refiners" include gas plant operators (see the Glossary for definition of "Gas plant operators").
- "Prime supplier" refers to a firm that produces, imports, or transports any of the selected petroleum products across State boundaries and local marketing areas and sells the product to local distributors, local retailers, or end users.
- The category "Retail outlet" refers to any company-operated outlet selling gasoline, on-highway diesel fuel, or propane for on-highway vehicle use (see Glossary).
- No. 2 distillate volumes and prices are classified in accordance with what the product was sold as, regardless of the actual specifications of that product (see definitions of No. 2 distillate in the Glossary).
- Beginning with the February 2007 data release, EIA revised the table formats and content for the *Petroleum Marketing Monthly* (PMM) to eliminate oxygenated gasoline as a separate category and to revise the categories of diesel fuel (i.e., ultra-low sulfur, low sulfur, and high sulfur). In conjunction with these changes, the Total columns in certain PMM tables have been eliminated to help ensure that sensitive data reported to EIA by individual survey respondents may not be closely estimated using the aggregates published by EIA. Refer to the Product Guide for new table numbers.
- As of January 2012, EIA changed the methodology used to calculate the initial price estimates for refiner acquisition costs of crude oil. The price estimate for domestic crude oil comes from a regression model based on West Texas Intermediate (WTI) crude oil spot market prices. The price estimate for imported crude oil comes from a regression model that uses a basket of world crude oil prices. The composite price estimate is a weighted average of the domestic and imported prices based on refinery receipts data found in the *Petroleum Supply Annual*.
- Final revisions to 2010 and 2011 monthly and annual values in Tables 1, 1A, and 18-27 were added to the *Petroleum Marketing Monthly* in the March 2013 issue.
- As of the March 2016 data release, January and February 2016 OPEC and Non-OPEC crude oil prices in Tables 21 and 22 were revised to include Indonesia in OPEC and exclude it from Non-OPEC.

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Highlights

Crude oil

- Monthly average prices for crude oil increased in December. The average domestic crude oil first purchase price rose \$5.47 (13.1%), to \$47.12 per barrel
- The average free-on-board (f.o.b.) cost of imported crude oil increased \$4.90 (12.3%) to \$44.83 per barrel. The average landed cost of foreign crude oil rose \$4.05 (9.6%), to \$46.12 per barrel.
- The average refiner acquisition cost for domestic crude oil rose \$4.28 (9.3%), to \$50.38 per barrel. The average cost of imported crude oil climbed \$4.92 (11.8%), to \$46.72 per barrel. The composite refiner acquisition cost for crude oil increased \$4.56 (10.3%), to \$48.62 per barrel.

Petroleum products

Motor gasoline

- Refiner monthly average prices for motor gasoline were on the rise in December. The average retail price increased 8.9 cents to \$1.848 per gallon, while the average wholesale price climbed 15.8 cents to \$1.585 per gallon.
- Refiner sales of finished motor gasoline fell in December. Total sales decreased 1.8 million gallons per day (0.6%) to an average of 322.4 million gallons per day. Retail sales declined 500,000 gallons per day (2.0%), while wholesales decreased 1.3 million gallons per day (0.4%). DTW sales accounted for 7.6% of wholesales, while rack and bulk sales made up 86.2% and 6.2%, respectively.

No. 2 distillate

- Monthly average prices for refiner sales of No. 2 distillates rose in December. The average price for No. 2 diesel fuel sold to end users increased 11.8 cents to \$1.717 per gallon, while the average wholesale price rose 13.8 cents to \$1.607 per gallon. The average price for sales of No. 2 fuel oil sold to end users climbed 21.0 cents to \$1.997 per gallon, while the wholesale price for No. 2 fuel oil increased 12.1 cents to \$1.507 per gallon.
- Total refiner sales of No. 2 ultra-low sulfur diesel fuel fell in December. Retail sales decreased 1.3 million gallons per day (10.1%), while wholesales declined 2.3 million gallons per day (1.6%).

Residual Fuel Oil

- Refiner monthly average residual fuel oil prices increased in December. The wholesale price for low-sulfur residual fuel oil rose 10.4 cents to \$1.024 per gallon. Prices for high-sulfur residual fuel oil climbed 16.4 cents to \$1.204 per gallon at retail, while the wholesale price rose 12.4 cents to \$1.031 per gallon.
- Sales of residual fuel oil by refiners increased in December. Retail sales rose 300,000 gallons per day (7.5%), while wholesales increased 400,000 gallons per day (5.6%).

Other products

- Refiner prices for remaining surveyed products rose in December. Propane and kerosene-type jet fuel prices increased at both the retail and wholesale levels, while prices for aviation gasoline, kerosene, and No. 1 distillate prices climbed at wholesale.
- The volume of refiner sales of products included in this section were mostly on the rise during December. Propane sales increased at both the retail and wholesale levels, while sales of kerosene-type jet fuel fell at retail, but rose at wholesale. Sales of aviation gasoline, kerosene, and No. 1 distillate increased at the wholesale level.

Table HL1. U.S. refiner prices and volumes of petroleum products

prices: dollars per gallon excluding taxes, volumes: million gallons per day

Products	Sales to end users						Sales for resale					
	December 2016		November 2016		December 2015		December 2016		November 2016		December 2015	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor gasoline	1.848	24.1	1.759	24.6	1.604	25.3	1.585	298.3	1.427	299.6	1.356	299.9
Conventional	1.780	14.9	1.660	15.5	1.472	16.2	1.558	201.1	1.388	202.1	1.290	204.2
Regular	1.738	13.2	1.613	13.6	1.431	14.2	1.526	179.9	1.351	181.0	1.255	182.7
Midgrade	1.948	0.8	1.864	0.8	1.648	0.8	1.682	1.7	1.524	1.7	1.419	1.8
Premium	2.202	1.0	2.108	1.1	1.860	1.1	1.838	19.5	1.715	19.3	1.609	19.7
Reformulated	1.958	9.2	1.928	9.1	1.840	9.1	1.640	97.2	1.509	97.5	1.497	95.8
Regular	1.869	6.7	1.829	6.6	1.743	6.6	1.592	80.9	1.456	81.2	1.437	79.9
Midgrade	2.098	0.9	2.093	0.9	2.011	0.9	1.737	0.9	1.606	0.9	1.652	1.0
Premium	2.263	1.5	2.257	1.5	2.161	1.5	1.890	15.4	1.780	15.4	1.809	14.8
Aviation gasoline	W	W	W	W	W	W	2.462	0.4	2.433	0.4	2.252	0.3
Kerosene-type jet fuel	1.538	31.2	1.426	31.6	1.232	33.0	1.510	32.4	1.406	30.4	1.207	30.3
Propane (consumer grade)	0.666	6.4	0.557	5.3	0.422	5.7	0.703	41.2	0.588	35.4	0.499	34.8
Kerosene	W	W	W	W	W	W	1.685	1.9	1.485	1.4	1.275	1.3
No. 1 distillate	NA	NA	2.050	0.1	NA	NA	1.851	3.2	1.672	1.7	1.516	2.2
No. 2 distillate	1.719	12.0	1.601	13.3	1.368	11.8	1.597	155.5	1.464	151.9	1.173	150.6
No. 2 fuel oil	1.997	0.1	1.787	0.2	1.695	0.1	1.507	14.4	1.386	9.1	1.126	10.6
No. 2 diesel fuel	1.717	11.9	1.599	13.2	1.365	11.7	1.607	141.1	1.469	142.9	1.176	140.0
Ultra low sulfur	1.717	11.6	1.598	12.9	1.358	11.3	1.609	137.8	1.470	140.1	1.179	137.1
Low sulfur	W	W	W	W	W	W	W	W	W	W	W	W
High sulfur	W	W	W	W	W	W	W	W	W	W	W	W
No. 4 fuel[a]	-	-	-	-	-	-	W	W	W	W	0.953	0.1
Residential fuel oil	1.229	4.3	1.106	4.0	0.919	4.0	1.030	7.6	0.908	7.2	0.633	8.9
Sulfur content not > 1%	W	W	NA	NA	W	W	1.024	0.6	0.920	0.7	0.552	0.6
Sulfur content > 1%	1.204	W	1.040	3.1	0.861	W	1.031	7.0	0.907	6.5	0.639	8.3

NA = Not available.

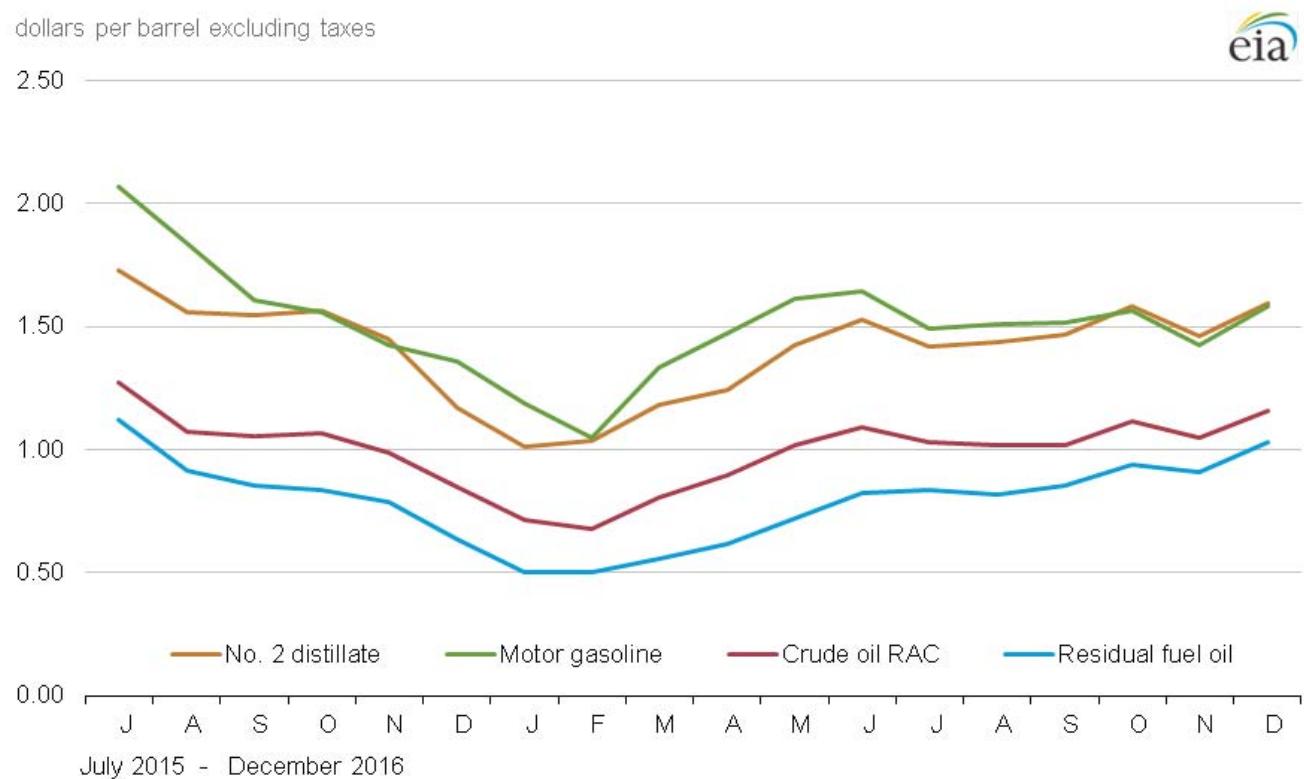
- = No data reported.

W = Withheld to avoid disclosure of individual company data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - In January 2007, ultra low-sulfur diesel fuel was added. - All on-highway diesel must be ultra low-sulfur as of December 1, 2010 - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2013 are final. Total volumes may not equal the sum of the components due to rounding

Source: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure HL1. Crude oil and petroleum product wholesale prices

Sources: U.S. Energy Information Administration, Crude oil refiner acquisition cost: Form EIA-14, "Refiners' Monthly Cost Report"; petroleum product prices: Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Note: RAC stands for refiner acquisition cost.

Summary Statistics

Table 1. Crude oil prices

dollars per barrel

Year month	Domestic first purchase prices	Average F.O.B.[a] cost of crude oil imports[b]	Average landed cost of crude oil imports[b]	Refiner acquisition cost of crude oil		
				Domestic	Imported	Composite
1996 average	18.46	19.32	20.31	20.77	20.64	20.71
1997 average	17.23	16.94	18.11	19.61	18.53	19.04
1998 average	10.87	10.76	11.84	13.18	12.04	12.52
1999 average	15.56	16.47	17.23	17.90	17.26	17.51
2000 average	26.72	26.27	27.53	29.11	27.70	28.26
2001 average	21.84	20.46	21.82	24.33	22.00	22.95
2002 average	22.51	22.63	23.91	24.65	23.71	24.10
2003 average	27.56	25.86	27.69	29.82	27.71	28.53
2004 average	36.77	33.75	36.07	38.97	35.90	36.98
2005 average	50.28	47.60	49.29	52.94	48.86	50.24
2006 average	59.69	57.03	59.11	62.62	59.02	60.24
2007 average	66.52	66.36	67.97	69.65	67.04	67.94
2008 average	94.04	90.32	93.33	98.47	92.77	94.74
2009 average	56.35	57.78	60.23	59.49	59.17	59.29
2010 average	74.71	74.19	76.50	78.01	75.86	76.69
2011 average	95.73	101.66	102.92	100.71	102.63	101.87
2012 average	94.52	99.78	101.00	100.72	101.09	100.93
2013 average	95.99	96.56	96.99	102.91	98.11	100.49
2014						
January	89.57	90.93	90.97	97.21	89.71	93.58
February	96.86	92.76	95.38	102.35	96.10	99.36
March	96.17	93.05	95.54	102.61	97.13	100.09
April	96.49	94.15	96.51	102.53	97.33	100.15
May	95.74	96.16	97.99	102.40	98.46	100.61
June	98.68	97.57	99.27	104.21	100.26	102.51
July	96.70	93.79	96.59	103.21	98.75	101.22
August	90.72	89.28	91.53	97.60	93.23	95.61
September	86.87	85.26	87.31	94.62	89.38	92.26
October	78.84	76.73	80.13	86.73	82.75	84.99
November	71.07	67.48	70.94	76.67	74.34	75.66
December	54.86	50.01	54.86	63.26	57.36	60.70
2014 average	87.39	85.65	88.16	94.05	89.56	92.02
2015						
January	43.06	40.16	44.42	48.90	44.74	47.00
February	44.35	43.94	47.32	50.23	47.18	48.92
March	42.66	43.64	47.25	48.60	47.22	47.99
April	49.30	48.42	52.00	54.86	51.62	53.51
May	54.38	54.05	57.17	59.48	57.51	58.65
June	55.88	53.83	56.73	61.06	58.89	60.12
July	47.70	45.88	49.79	54.15	52.42	53.40
August	39.98	37.17	41.39	46.30	43.23	44.97
September	41.60	36.90	40.02	46.68	41.12	44.38
October	42.34	37.21	40.38	47.02	42.03	44.77
November	38.19	33.56	37.13	43.30	39.05	41.43
December	32.26	28.23	31.56	37.76	33.16	35.63
2015 average	44.39	41.91	45.38	49.94	46.38	48.39
2016						
January	27.02	23.56	27.34	32.17	27.48	29.99
February	25.51	24.68	26.97	30.30	26.61	28.53
March	31.87	29.73	31.99	35.31	32.21	33.82
April	35.59	32.76	35.42	39.30	35.90	37.71
May	41.02	38.32	40.73	44.77	40.88	42.88
June	43.96	41.92	43.55	47.57	44.13	45.96
July	40.70	38.76	41.03	44.88	41.48	43.26
August	40.46	38.27	40.40	44.18	41.21	42.70
September	40.54	38.28	40.76	44.47	40.86	42.73
October	45.00	R42.36	R43.99	48.66	44.76	46.85
November	41.65	R39.93	R42.07	46.10	41.80	44.06
December	47.12	44.83	46.12	R50.38	R46.72	R48.62
2016 average	38.29	36.23	38.25	42.40	38.75	40.66
2017						
January [c]	NA	NA	NA	E52.34	E48.47	E50.68

NA = Not available.

E = Estimated data.

R = Revised data.

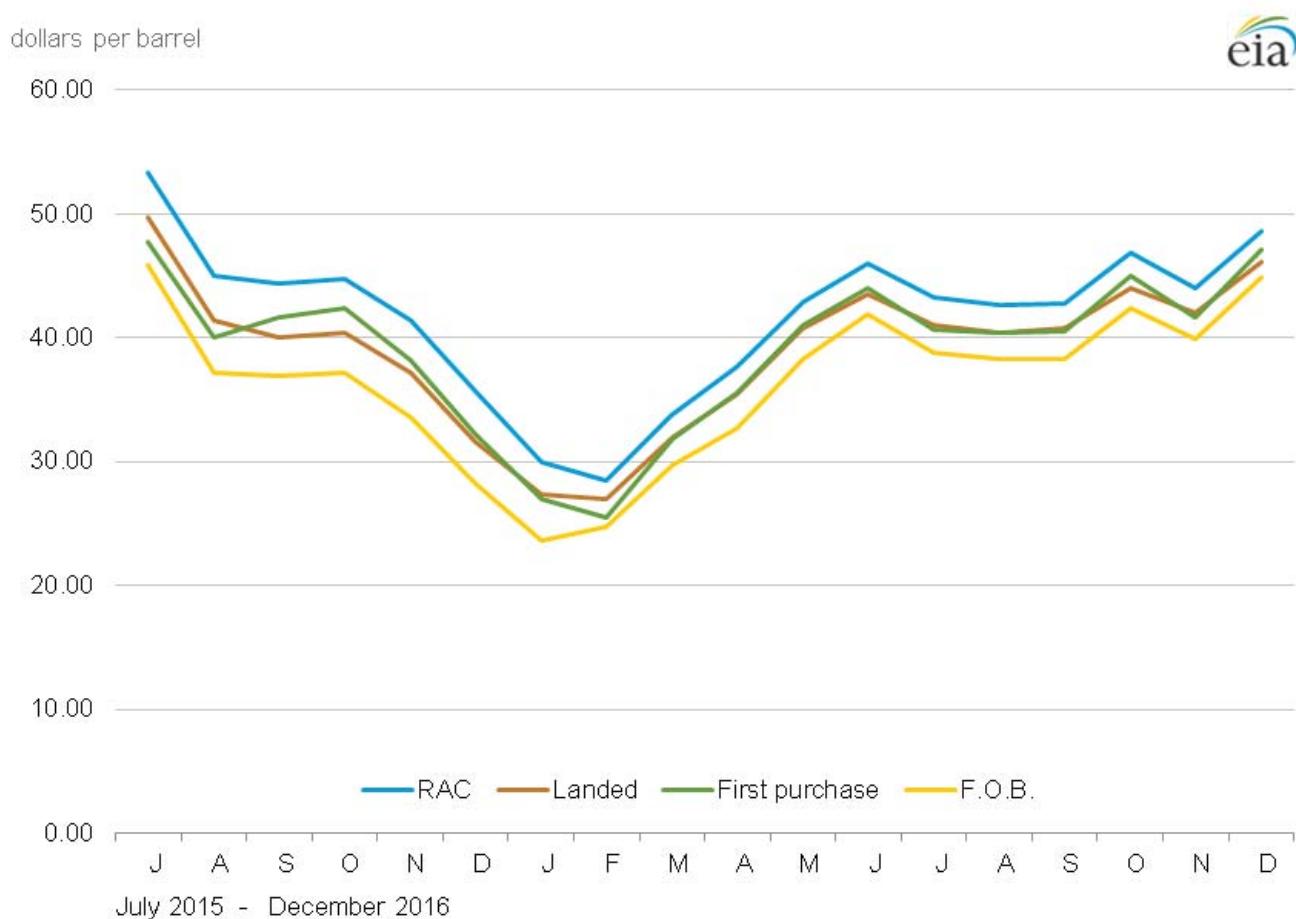
[a] Free on Board. See Glossary.

[b] Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section.

[c] Data are initial estimates calculated using regression models based on past and present values, spot prices and other internally computed data. For an explanation of estimation methodology, see the Preface.

Notes: - In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values for Domestic First Purchase Price and Refiner Acquisition Cost for the current 2 months, and for Average F.O.B. and Average Landed Costs, for the current 3 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: Domestic first purchase prices -- See "Source" from Table 18. Crude oil imports costs -- See "Sources" from Table 21. Refiner acquisition costs -- U.S. Energy Information Administration, Form EIA-14, "Refiners' Monthly Cost Report."

Figure 1. Crude oil prices

Sources: U.S. Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase Report"; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report"; and Form EIA-14, "Refiners' Monthly Cost Report."
Note: RAC stands for refiner acquisition cost.

Table 1A. Refiner acquisition cost of crude oil by PAD Districts
dollars per barrel

Year month	U.S.			PAD District 1			PAD District 2		
	Domestic	Imported	Composite	Domestic	Imported	Composite	Domestic	Imported	Composite
2004	38.97	35.90	36.98	40.75	38.29	38.34	40.80	35.63	38.38
2005	52.94	48.86	50.24	56.89	53.29	53.35	54.57	46.11	50.75
2006	62.62	59.02	60.24	66.92	63.53	63.60	63.66	55.19	59.70
2007	69.65	67.04	67.94	70.62	72.48	72.44	71.10	62.17	66.90
2008	98.47	92.77	94.74	100.30	96.90	96.97	100.98	88.45	94.93
2009	59.49	59.17	59.29	59.64	61.68	61.63	60.00	57.00	58.64
2010	78.01	75.86	76.69	75.90	80.03	79.91	78.85	72.24	75.92
2011	100.71	102.63	101.87	98.88	111.53	111.01	96.81	89.15	93.18
2012	100.72	101.09	100.93	104.45	112.27	111.50	95.04	83.90	89.44
2013	102.91	98.11	100.49	106.98	106.74	106.80	100.63	85.43	93.26
2014									
January	97.21	89.71	93.58	100.42	102.14	101.37	94.25	75.58	85.08
February	102.35	96.10	99.36	103.88	103.59	103.70	100.25	86.43	93.41
March	102.61	97.13	100.09	105.77	104.36	104.97	101.08	89.49	95.30
April	102.53	97.33	100.15	105.99	105.62	105.78	100.89	88.05	94.49
May	102.40	98.46	100.61	107.90	105.64	106.55	101.81	90.09	96.17
June	104.21	100.26	102.51	110.16	106.10	107.74	103.68	93.44	98.83
July	103.21	98.75	101.22	108.38	103.98	105.88	102.42	91.08	96.89
August	97.60	93.23	95.61	101.00	99.21	100.00	95.90	83.12	89.64
September	94.62	89.38	92.26	97.36	93.81	95.36	92.63	81.62	87.44
October	86.73	82.75	84.99	89.89	86.65	88.23	84.53	77.78	81.15
November	76.67	74.34	75.66	80.36	78.20	79.16	77.52	71.24	74.55
December	63.26	57.36	60.70	64.70	64.38	64.54	61.41	52.59	57.03
2014	94.05	89.56	92.02	96.95	96.51	96.70	93.08	81.66	87.51
2015									
January	48.90	44.74	47.00	52.45	50.72	51.64	48.86	41.14	44.51
February	50.23	47.18	48.92	53.37	51.94	52.67	49.56	42.32	45.88
March	48.60	47.22	47.99	51.93	51.95	51.94	47.30	41.44	44.47
April	54.86	51.62	53.51	58.93	55.18	57.13	52.79	46.13	49.74
May	59.48	57.51	58.65	62.95	59.39	61.11	58.11	52.92	55.68
June	61.06	58.89	60.12	63.62	60.58	61.83	59.76	56.42	58.24
July	54.15	52.42	53.40	54.90	57.54	56.49	52.90	50.43	51.73
August	46.30	43.23	44.97	46.69	49.04	48.17	44.94	39.14	42.15
September	46.68	41.12	44.38	47.77	45.58	46.66	46.43	35.66	41.47
October	47.02	42.03	44.77	49.84	44.26	46.53	47.11	38.97	43.48
November	43.30	39.05	41.43	45.46	44.13	44.64	43.78	36.25	40.16
December	37.76	33.16	35.63	39.41	39.07	39.19	37.92	30.62	34.29
2015	49.94	46.38	48.39	52.60	50.40	51.37	49.33	42.70	46.13
2016									
January	32.17	27.48	29.99	33.12	31.44	32.02	32.47	25.60	28.85
February	30.30	26.61	28.53	32.90	30.86	31.36	30.65	24.00	27.01
March	35.31	32.21	33.82	39.12	36.17	36.91	36.37	29.60	32.80
April	39.30	35.90	37.71	43.85	39.19	40.32	40.29	34.08	37.04
May	44.77	40.88	42.88	49.14	43.95	45.24	46.03	38.48	42.47
June	47.57	44.13	45.96	50.67	47.17	48.12	49.34	41.86	45.81
July	44.88	41.48	43.26	48.37	45.03	45.61	45.70	39.13	42.60
August	44.18	41.21	42.70	48.18	45.15	45.63	45.57	38.43	42.10
September	44.47	40.86	42.73	47.25	44.33	44.98	45.61	37.69	41.79
October	48.66	44.76	46.85	51.04	48.09	48.57	50.17	43.02	46.74
November	46.10	41.80	44.06	48.91	46.25	46.70	46.61	39.20	42.79
December	R50.38	R46.72	R48.62	NA	50.46	50.63	51.86	43.82	47.51
2016	42.40	38.75	40.66	44.27	42.54	42.92	43.76	36.19	39.95

See footnotes at end of table.

Table 1A. Refiner acquisition cost of crude oil by PAD Districts (cont.)

dollars per barrel

Year month	PAD District 3			PAD District 4			PAD District 5		
	Domestic	Imported	Composite	Domestic	Imported	Composite	Domestic	Imported	Composite
2004	39.28	34.79	35.87	39.98	35.93	37.81	36.81	38.20	37.30
2005	53.17	47.77	48.99	53.50	48.54	50.89	50.61	50.77	50.67
2006	63.17	58.34	59.54	60.80	56.17	58.45	60.90	61.44	61.15
2007	70.58	66.34	67.48	65.79	60.81	63.43	67.47	69.42	68.34
2008	100.39	91.86	94.11	91.49	88.56	90.12	94.53	96.30	95.35
2009	60.61	59.21	59.64	56.30	56.53	56.39	57.79	60.07	58.78
2010	78.73	75.67	76.65	73.56	70.77	72.37	76.56	78.23	77.34
2011	103.24	104.78	104.24	89.34	84.87	87.61	103.83	105.68	104.73
2012	104.32	105.18	104.83	86.83	80.80	84.63	103.03	106.43	104.69
2013	104.64	101.42	103.02	88.96	80.75	85.21	103.82	105.12	104.40
2014									
January	98.26	93.60	96.04	84.71	70.60	77.56	99.66	97.31	98.56
February	103.83	98.18	101.27	93.44	85.64	89.56	101.78	102.10	101.92
March	102.94	97.51	100.64	92.10	85.43	88.81	104.64	105.09	104.85
April	103.17	98.54	101.14	92.35	86.57	89.88	103.66	105.41	104.39
May	101.83	100.02	101.04	93.61	88.77	91.38	105.20	104.47	104.90
June	104.46	101.44	103.27	97.35	92.05	95.47	104.01	105.62	104.70
July	103.31	100.39	102.12	93.51	88.16	91.08	104.45	104.84	104.63
August	98.43	95.66	97.30	86.93	81.17	84.23	98.57	99.88	99.25
September	95.99	90.90	93.90	84.40	79.99	82.32	94.21	95.76	94.97
October	88.64	82.95	86.43	77.06	74.99	76.13	83.74	88.93	86.17
November	76.34	74.03	75.40	71.32	68.05	69.87	76.79	79.13	77.77
December	65.71	57.54	62.45	52.13	49.62	50.98	59.00	63.01	60.72
2014	94.67	90.84	93.06	84.63	78.73	81.93	94.45	96.13	95.22
2015									
January	49.11	45.46	47.62	41.14	36.20	38.77	48.61	49.03	48.80
February	50.01	48.09	49.24	45.05	39.66	42.52	51.99	52.78	52.31
March	49.02	48.33	48.74	42.43	38.15	40.32	49.09	52.78	50.77
April	55.40	52.56	54.30	47.72	44.57	46.25	55.81	57.47	56.53
May	59.46	58.41	59.07	54.42	50.62	52.61	61.54	62.65	62.07
June	61.68	58.84	60.58	54.68	55.25	54.94	61.35	62.34	61.83
July	54.86	51.58	53.67	48.76	48.19	48.48	54.37	55.50	54.95
August	47.15	42.87	45.65	40.16	35.58	37.87	46.08	47.52	46.85
September	46.71	41.31	44.82	42.08	32.48	37.12	47.67	47.09	47.37
October	46.86	41.33	44.65	43.98	37.26	40.39	47.30	46.74	47.01
November	43.14	38.25	41.31	40.49	34.01	37.16	43.28	43.29	43.28
December	37.94	32.18	35.54	34.68	28.70	31.54	37.06	37.35	37.20
2015	50.16	46.49	48.75	44.77	39.73	42.28	50.30	50.91	50.59
2016									
January	32.48	26.96	30.31	29.77	23.46	26.50	30.82	30.56	30.69
February	30.23	26.16	28.53	28.49	20.75	24.75	30.09	30.80	30.43
March	34.37	31.61	33.17	36.04	27.85	32.35	36.59	36.03	36.32
April	38.65	34.49	37.05	39.41	33.72	36.59	39.69	39.66	39.67
May	43.96	39.63	42.13	44.71	36.54	40.77	45.13	45.37	45.27
June	47.03	43.73	45.68	47.33	39.53	43.74	46.45	47.18	46.85
July	44.82	40.91	43.23	44.15	37.09	40.78	43.45	44.35	43.95
August	44.23	40.99	42.78	38.63	37.08	37.94	43.13	43.37	43.26
September	43.99	40.53	42.50	43.71	36.49	40.22	44.44	44.95	44.72
October	48.06	44.02	46.51	49.12	40.74	44.64	48.28	47.61	47.94
November	45.74	41.46	43.98	R44.68	R37.67	R41.22	46.79	44.98	45.96
December	49.71	47.00	48.56	50.11	41.48	46.09	50.97	50.06	50.53
2016	41.97	38.22	40.42	41.48	34.49	38.11	42.09	42.22	42.16

R = Revised data.

Notes: - U.S. is defined as the 50 states, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. Values reflect the PAD District in which the crude oil is intended to be refined. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration Form EIA-14, "Refiners' Monthly Cost Report," January 2004 to present."

Table 2. U.S. refiner prices of petroleum products to end users
dollars per gallon excluding taxes

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 2 distillate					Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	No. 4 fuel[a]	
1985	0.912	1.201	0.796	0.717	1.030	0.880	0.789	0.849	0.799	0.773	0.610
1986	0.624	1.011	0.529	0.745	0.790	0.620	0.478	0.560	0.491	0.489	0.343
1987	0.669	0.907	0.543	0.701	0.770	0.604	0.551	0.581	0.556	0.513	0.423
1988	0.673	0.891	0.513	0.714	0.738	0.564	0.500	0.544	0.507	0.461	0.334
1989	0.756	0.995	0.592	0.615	0.709	0.661	0.585	0.587	0.585	0.512	0.385
1990	0.883	1.120	0.766	0.745	0.923	0.819	0.725	0.734	0.726	0.622	0.444
1991	0.797	1.047	0.652	0.730	0.838	0.740	0.648	0.665	0.650	0.580	0.340
1992	0.787	1.027	0.610	0.643	0.788	0.666	0.619	0.627	0.620	0.526	0.336
1993	0.759	0.990	0.580	0.673	0.754	0.666	0.602	0.602	0.501	0.501	0.337
1994	0.738	0.957	0.534	0.530	0.660	0.640	0.554	0.572	0.556	0.501	0.352
1995	0.765	1.005	0.540	0.492	0.589	0.620	0.560	0.562	0.560	0.505	0.392
1996	0.847	1.116	0.651	0.605	0.740	0.726	0.681	0.673	0.680	0.603	0.455
1997	0.839	1.128	0.613	0.552	0.745	0.689	0.642	0.636	0.642	0.565	0.423
1998	0.673	0.975	0.452	0.405	0.501	0.551	0.494	0.482	0.492	0.428	0.305
1999	0.781	1.059	0.543	0.458	0.605	0.621	0.584	0.558	0.580	0.474	0.374
2000	1.106	1.306	0.899	0.603	1.123	0.988	0.935	0.927	0.934	0.769	0.602
2001	1.032	1.323	0.775	0.506	1.045	0.902	0.842	0.829	0.840	0.679	0.531
2002	0.947	1.288	0.721	0.419	0.990	0.828	0.762	0.737	0.759	0.657	0.569
2003	1.156	1.493	0.872	0.577	1.224	1.017	0.944	0.933	0.942	0.856	0.698
2004	1.435	1.819	1.207	0.839	1.160	1.262	1.243	1.173	1.235	1.017	0.739
2005	1.829	2.231	1.735	1.089	1.957	1.832	1.786	1.705	1.777	W	1.048
2006	2.128	2.682	1.998	1.358	2.244	2.137	2.096	1.982	2.091	W	1.218
2007	2.345	2.849	2.165	1.489	2.263	2.286	2.267	2.241	2.266	W	1.374
2008	2.775	3.273	3.052	1.892	3.283	2.983	3.150	2.986	3.143	W	1.964
2009	1.888	2.442	1.704	1.220	2.675	2.141	1.834	1.962	1.840	W	1.341
2010	2.301	3.028	2.201	1.481	3.063	2.705	2.314	2.462	2.318	W	1.713
2011	3.050	3.803	3.054	1.709	3.616	3.467	3.117	3.193	3.119	W	2.401
2012	3.154	3.971	3.104	1.139	3.843	3.580	3.202	3.358	3.206	W	2.592
2013	3.049	3.932	2.979	1.028	3.842	3.483	3.122	3.335	3.126	W	2.482
2014	2.855	3.986	2.772	1.097	W	3.117	2.923	3.329	2.924	W	2.325
2015											
January	1.673	W	1.633	0.566	W	1.925	1.819	NA	1.823	-	1.264
February	1.858	W	1.747	0.671	W	2.027	1.979	2.204	1.981	-	1.376
March	2.054	W	1.766	0.619	W	NA	1.962	2.141	1.963	-	1.465
April	2.058	W	1.739	0.575	W	W	1.939	NA	1.941	W	1.516
May	2.322	W	1.979	0.465	W	W	2.090	2.308	2.092	W	1.543
June	2.374	W	1.855	0.393	W	W	2.021	2.321	2.022	W	1.549
July	2.338	W	1.694	0.405	W	W	1.913	2.207	1.914	W	1.363
August	2.218	W	1.516	0.387	W	W	1.737	2.046	1.739	W	1.207
September	1.920	W	1.465	0.468	2.996	W	1.693	1.949	1.694	W	1.107
October	1.849	W	1.473	0.479	W	1.774	1.702	NA	1.703	-	1.094
November	1.711	W	1.424	0.447	W	NA	1.603	1.814	1.606	-	1.043
December	1.604	W	1.232	0.422	W	NA	1.365	1.695	1.368	-	0.919
2015	2.003	W	1.629	0.481	W	1.822	1.819	2.016	1.821	W	1.285
2016											
January	1.505	W	1.038	0.377	W	NA	1.198	1.450	1.201	W	0.710
February	1.332	W	1.032	0.409	W	NA	1.185	1.407	1.187	-	0.632
March	1.552	W	1.133	0.481	W	1.610	1.317	1.555	1.318	-	0.693
April	1.725	W	1.187	0.472	W	1.706	1.386	1.631	1.388	W	0.782
May	1.869	W	1.342	0.533	W	W	1.555	1.733	1.555	-	0.922
June	1.961	W	1.464	0.514	W	2.041	1.661	1.861	1.662	W	0.983
July	1.804	W	1.393	0.491	W	1.911	1.577	1.814	1.578	W	1.030
August	1.754	W	1.330	0.460	W	1.890	1.577	NA	1.578	W	0.990
September	1.788	W	1.394	0.507	W	1.977	1.601	1.805	1.602	W	1.076
October	1.819	W	1.506	0.599	W	2.048	1.706	1.941	1.708	W	1.115
November	1.759	W	R1.426	R0.557	W	2.050	R1.599	1.787	R1.601	-	R1.106
December	1.848	W	1.538	0.666	W	NA	1.717	1.997	1.719	-	1.229

NA = Not available.

- = No data reported.

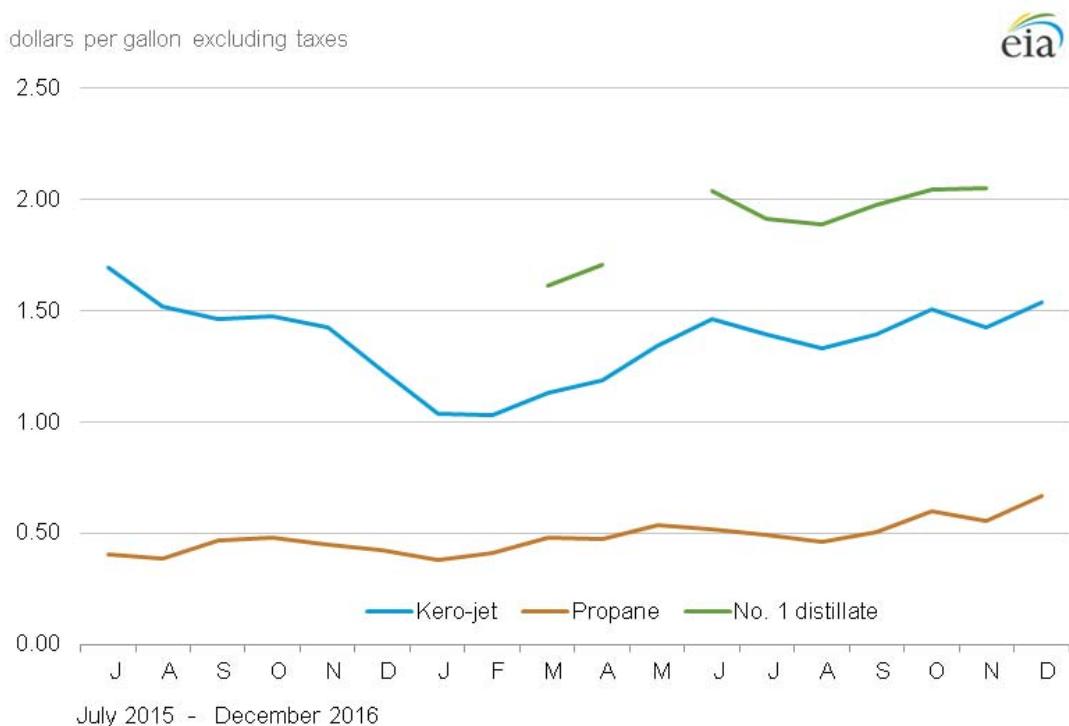
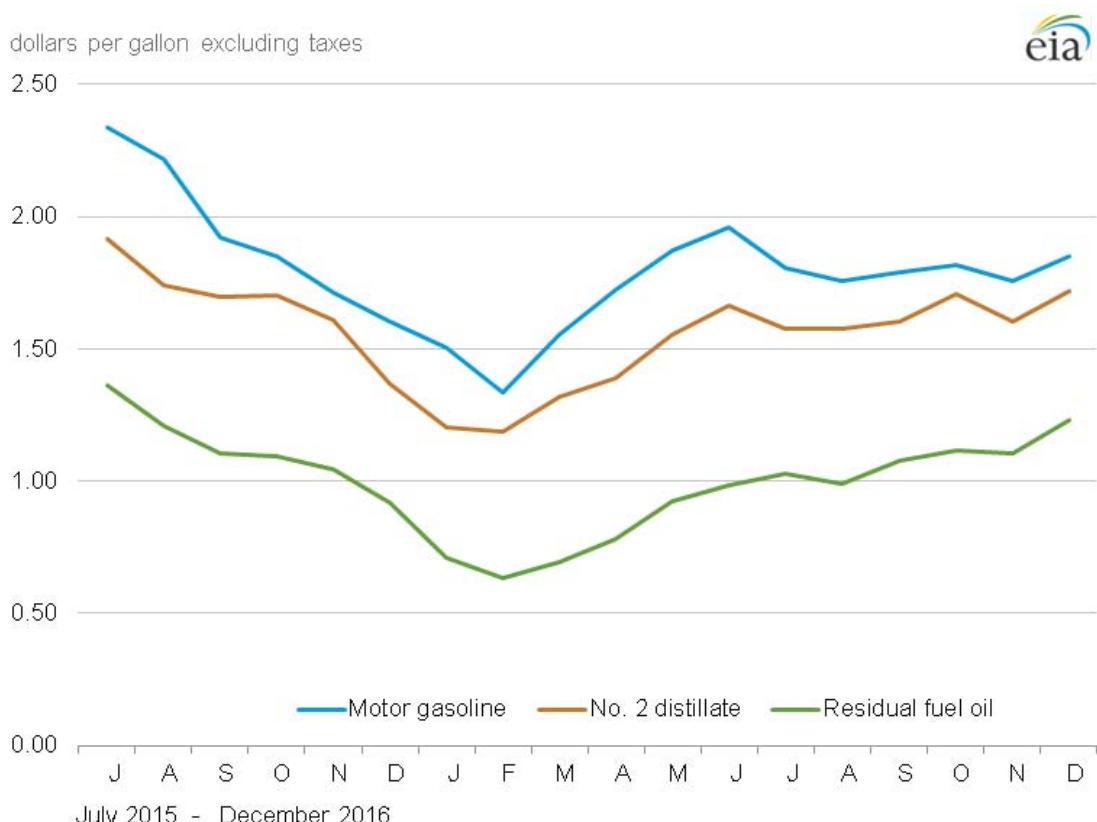
W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 2. U.S. Refiner retail petroleum product prices

Sources: U.S. Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Sales Report."

Table 3. U.S. refiner volumes of petroleum products to end users
million gallons per day

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 2 distillate					Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	No. 4 fuel[a]	
1985	57.5	0.3	34.6	3.7	0.3	0.5	25.0	5.0	29.9	0.5	25.2
1986	61.2	0.3	35.1	3.4	0.3	0.4	24.4	4.4	28.8	0.7	31.6
1987	61.0	0.2	36.8	3.8	0.3	0.4	24.1	4.5	28.5	0.8	29.0
1988	61.0	0.2	38.2	4.3	0.3	0.4	24.5	4.6	29.1	1.1	30.2
1989	61.2	0.2	40.1	2.8	0.3	0.5	24.3	4.5	28.8	0.9	30.4
1990	60.3	0.2	39.9	2.7	0.2	0.5	22.2	3.6	25.9	0.8	25.9
1991	61.2	0.2	38.5	3.1	0.2	0.5	21.1	3.2	24.4	0.7	24.0
1992	59.0	0.2	39.8	3.8	0.2	0.5	21.5	3.1	24.6	0.6	22.4
1993	57.2	0.2	41.7	3.5	0.2	0.4	20.8	2.9	23.8	0.6	17.2
1994	55.0	0.2	45.2	2.2	0.4	0.4	21.3	3.4	24.6	0.8	13.5
1995	55.9	0.2	45.7	3.2	0.6	0.3	21.6	3.3	24.9	0.5	11.6
1996	57.5	0.2	48.7	3.1	0.4	0.3	21.9	3.1	25.0	0.4	12.9
1997	61.1	0.2	49.7	3.2	0.3	0.4	22.0	3.0	25.0	0.3	13.4
1998	63.3	0.2	48.9	3.1	0.4	0.4	21.1	3.2	24.3	0.3	14.4
1999	62.0	0.1	47.0	3.6	0.2	0.3	21.1	3.0	24.1	0.3	13.9
2000	60.9	0.2	49.3	2.9	0.2	0.3	22.6	2.8	25.4	0.3	13.1
2001	62.0	0.1	49.7	3.6	0.2	0.3	22.9	3.0	26.0	0.4	14.8
2002	63.6	0.1	49.1	2.6	0.1	0.3	19.6	3.0	22.6	0.4	10.4
2003	63.8	0.1	44.0	2.5	0.1	0.3	16.7	2.7	19.5	0.3	10.7
2004	58.4	0.1	46.4	2.7	0.5	0.2	16.9	2.4	19.3	0.3	10.2
2005	59.0	0.1	45.2	3.2	0.1	0.3	17.0	2.1	19.1	W	10.4
2006	60.0	0.1	42.1	2.7	0.1	0.2	24.2	1.2	25.4	W	10.4
2007	57.7	0.1	40.1	3.3	0.1	0.2	23.6	0.8	24.3	W	10.9
2008	55.1	0.1	39.9	2.7	NA	0.1	19.9	0.9	20.8	W	8.4
2009	49.8	0.2	38.0	3.7	NA	0.1	16.9	0.9	17.8	W	8.5
2010	44.7	0.1	34.8	3.9	0.0	0.1	15.3	0.4	15.8	W	7.6
2011	39.0	0.1	33.3	4.5	0.0	0.1	13.4	0.4	13.8	W	6.4
2012	29.7	0.1	32.5	5.6	0.0	0.1	12.2	0.3	12.5	W	5.5
2013	24.7	0.0	31.4	5.3	0.0	0.1	11.5	0.2	11.7	W	5.2
2014	21.6	0.0	31.3	4.9	W	0.1	11.9	0.1	11.9	W	4.6
2015											
January	24.2	W	30.9	5.3	W	0.2	12.8	0.1	13.0	-	3.6
February	24.6	W	32.4	5.6	W	0.2	13.0	0.1	13.1	-	3.7
March	24.8	W	31.3	4.3	W	NA	12.9	0.1	13.0	-	3.5
April	25.4	W	33.4	4.3	W	W	12.5	0.1	12.6	W	4.6
May	25.9	W	34.9	6.4	W	W	11.7	0.1	11.8	W	3.9
June	26.0	W	36.1	5.8	W	W	13.1	0.0	13.1	W	4.6
July	26.3	W	36.1	6.3	W	W	12.8	0.0	12.8	W	3.6
August	26.0	W	34.8	7.8	W	W	12.9	0.1	13.0	W	4.3
September	25.7	W	33.2	5.2	0.0	W	13.3	0.1	13.4	W	4.5
October	25.9	W	32.6	4.2	W	0.1	12.6	0.2	12.7	-	3.7
November	25.2	W	32.5	5.9	W	NA	12.4	0.1	12.5	-	4.4
December	25.3	W	33.0	5.7	W	NA	11.7	0.1	11.8	-	4.0
2015	25.5	W	33.4	5.6	W	0.1	12.6	0.1	12.7	W	4.0
2016											
January	24.4	W	31.0	8.6	W	NA	12.1	0.1	12.2	W	4.1
February	25.2	W	28.5	7.4	W	NA	12.6	0.1	12.8	-	3.9
March	25.2	W	30.8	6.1	W	0.1	12.2	0.1	12.3	-	4.1
April	25.9	W	30.6	5.8	W	0.1	12.1	0.1	12.1	W	4.2
May	26.0	W	30.9	5.5	W	W	12.5	0.1	12.5	-	3.9
June	26.7	W	32.7	6.0	W	0.0	12.5	0.1	12.6	W	3.8
July	26.3	W	32.1	4.2	W	0.0	12.6	0.0	12.6	W	4.3
August	26.5	W	32.7	6.9	W	0.0	13.6	0.1	13.7	W	4.4
September	26.4	W	32.2	6.3	W	0.0	13.2	0.1	13.3	W	4.7
October	25.9	W	30.2	5.0	W	0.1	13.1	0.1	13.2	W	4.4
November	24.6	W	R31.6	R5.3	W	0.1	R13.2	0.2	13.3	-	R4.0
December	24.1	W	31.2	6.4	W	NA	11.9	0.1	12.0	-	4.3

NA = Not available.

- = No data reported.

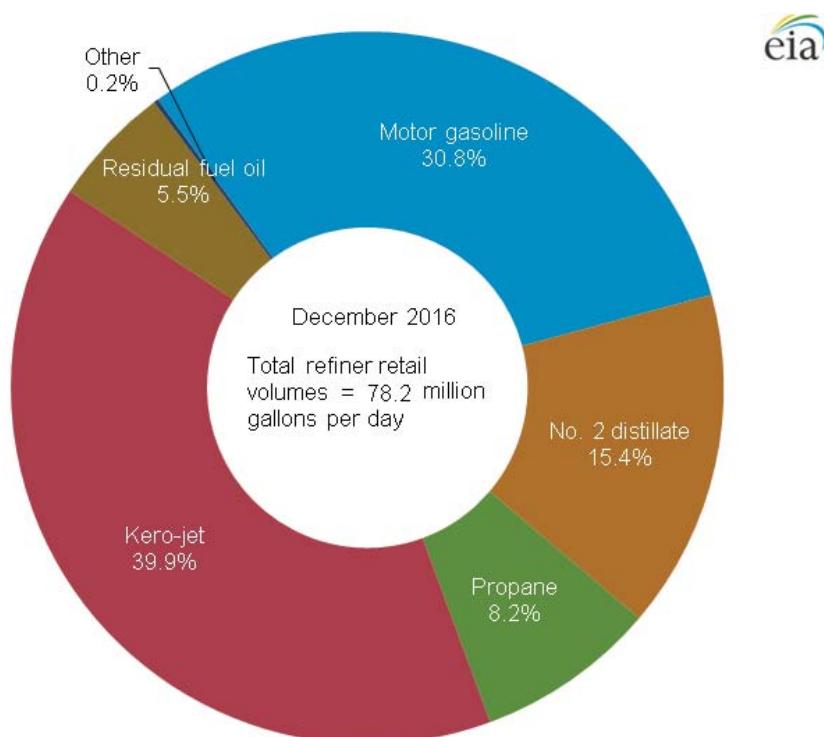
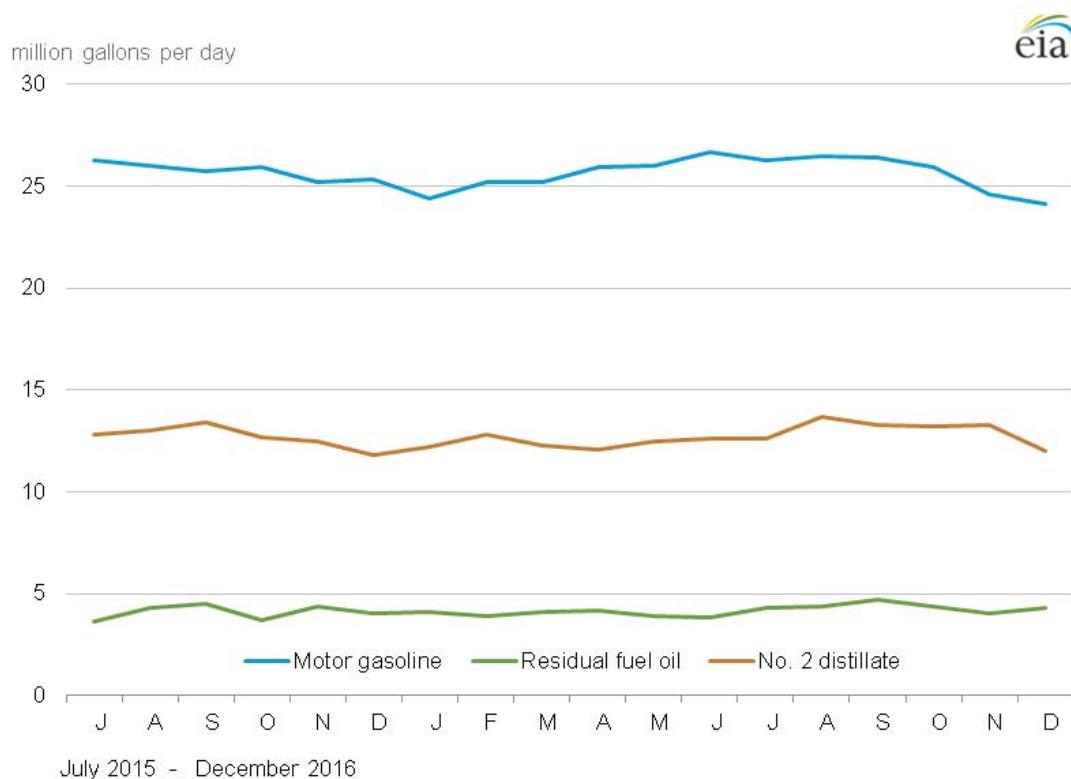
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R = Revised data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 3. U.S. Refiner retail petroleum product volumes

Source: U.S. Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 4. U.S. refiner prices of petroleum products for resale
dollars per gallon excluding taxes

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 2 distillate				Residual fuel oil
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average	
1985	0.835	1.130	0.794	0.398	0.874	0.863	0.772	0.776	0.774	0.672
1986	0.531	0.912	0.495	0.290	0.606	0.579	0.452	0.486	0.470	0.409
1987	0.589	0.859	0.538	0.252	0.592	0.599	0.534	0.527	0.531	0.462
1988	0.577	0.850	0.495	0.240	0.549	0.549	0.473	0.473	0.473	0.385
1989	0.654	0.950	0.583	0.247	0.669	0.668	0.567	0.565	0.566	0.480
1990	0.786	1.063	0.773	0.386	0.839	0.838	0.694	0.697	0.695	0.590
1991	0.699	1.001	0.650	0.349	0.723	0.730	0.615	0.622	0.618	0.556
1992	0.677	0.991	0.605	0.328	0.632	0.652	0.591	0.579	0.585	0.495
1993	0.626	0.965	0.577	0.351	0.604	0.646	0.570	0.544	0.559	0.488
1994	0.599	0.933	0.534	0.324	0.618	0.615	0.529	0.506	0.522	0.462
1995	0.626	0.975	0.539	0.344	0.580	0.625	0.538	0.511	0.530	0.463
1996	0.713	1.055	0.646	0.461	0.714	0.751	0.659	0.639	0.653	0.603
1997	0.700	1.065	0.613	0.416	0.653	0.723	0.606	0.590	0.602	0.551
1998	0.526	0.912	0.450	0.288	0.465	0.513	0.444	0.422	0.439	0.383
1999	0.645	1.007	0.533	0.342	0.550	0.634	0.546	0.493	0.536	0.430
2000	0.963	1.330	0.880	0.595	0.969	1.019	0.898	0.886	0.896	0.778
2001	0.886	1.256	0.763	0.540	0.821	0.883	0.784	0.756	0.779	0.697
2002	0.828	1.146	0.716	0.431	0.752	0.805	0.724	0.694	0.718	0.663
2003	1.002	1.288	0.871	0.607	0.955	1.033	0.883	0.881	0.882	0.793
2004	1.288	1.627	1.208	0.751	1.271	1.289	1.187	1.125	1.178	1.033
2005	1.670	2.076	1.723	0.933	1.757	1.801	1.737	1.623	1.720	1.377
2006	1.969	2.490	1.961	1.031	2.007	2.044	2.012	1.834	1.991	1.395
2007	2.182	2.758	2.171	1.194	2.249	2.430	2.203	2.072	2.190	1.551
2008	2.586	3.342	3.020	1.437	2.851	2.712	2.994	2.745	2.970	2.157
2009	1.767	2.480	1.719	0.921	1.844	2.050	1.713	1.657	1.707	1.561
2010	2.165	2.874	2.185	1.212	2.299	2.573	2.214	2.147	2.208	W
2011	2.867	3.739	3.014	1.467	3.065	3.223	3.034	2.907	3.025	2.801
2012	2.929	3.919	3.080	1.033	3.163	3.349	3.109	3.031	3.103	W
2013	2.812	3.869	2.953	1.048	3.084	3.340	3.028	2.966	3.025	2.767
2014	2.618	3.687	2.763	1.165	2.882	3.213	2.812	2.741	2.809	2.333
2015										
January	1.366	2.324	1.612	0.713	1.900	1.979	1.616	1.669	1.620	1.150
February	1.637	2.529	1.722	0.748	2.233	2.161	1.861	1.850	1.860	1.355
March	1.770	2.801	1.731	0.689	2.098	2.246	1.815	1.847	1.817	1.126
April	1.835	2.827	1.709	0.566	1.800	2.276	1.805	1.740	1.803	1.114
May	2.080	3.050	1.933	0.475	1.929	2.429	1.973	1.852	1.969	1.460
June	2.121	3.259	1.813	0.404	1.871	2.359	1.881	1.813	1.880	1.498
July	2.072	3.217	1.655	0.405	1.701	2.195	1.729	1.654	1.728	1.380
August	1.838	2.980	1.479	0.402	1.494	2.005	1.562	1.461	1.559	1.133
September	1.609	2.586	1.443	0.469	1.509	1.902	1.551	1.438	1.549	1.123
October	1.558	2.475	1.451	0.524	1.555	1.896	1.572	1.411	1.563	W
November	1.426	2.385	1.400	0.505	1.554	1.836	1.456	1.356	1.449	W
December	1.356	2.252	1.207	0.499	1.275	1.516	1.176	1.126	1.173	0.953
2015	1.726	2.764	1.592	0.555	1.735	1.957	1.667	1.565	1.663	1.215
2016										
January	1.187	2.122	1.022	0.460	1.183	1.263	1.015	0.976	1.012	0.739
February	1.046	1.908	1.017	0.470	1.155	1.278	1.043	0.948	1.035	W
March	1.335	2.230	1.100	0.497	1.208	1.413	1.189	1.070	1.182	0.861
April	1.476	2.457	1.155	0.458	1.193	1.491	1.251	1.113	1.244	0.957
May	1.613	2.528	1.311	0.511	1.327	1.736	1.432	1.291	1.426	1.046
June	1.643	2.591	1.428	0.497	1.445	1.864	1.531	1.404	1.527	1.136
July	1.490	2.505	1.354	0.476	1.297	1.749	1.426	1.305	1.421	W
August	1.508	2.405	1.313	0.453	1.408	1.759	1.440	1.307	1.437	W
September	1.514	2.506	1.366	0.494	1.402	1.743	1.471	1.341	1.466	W
October	1.568	2.551	1.471	0.608	1.580	1.842	1.592	1.443	1.584	W
November	1.427	2.433	R1.406	R0.588	1.485	1.672	1.469	R1.386	1.464	W
December	1.585	2.462	1.510	0.703	1.685	1.851	1.607	1.507	1.597	W

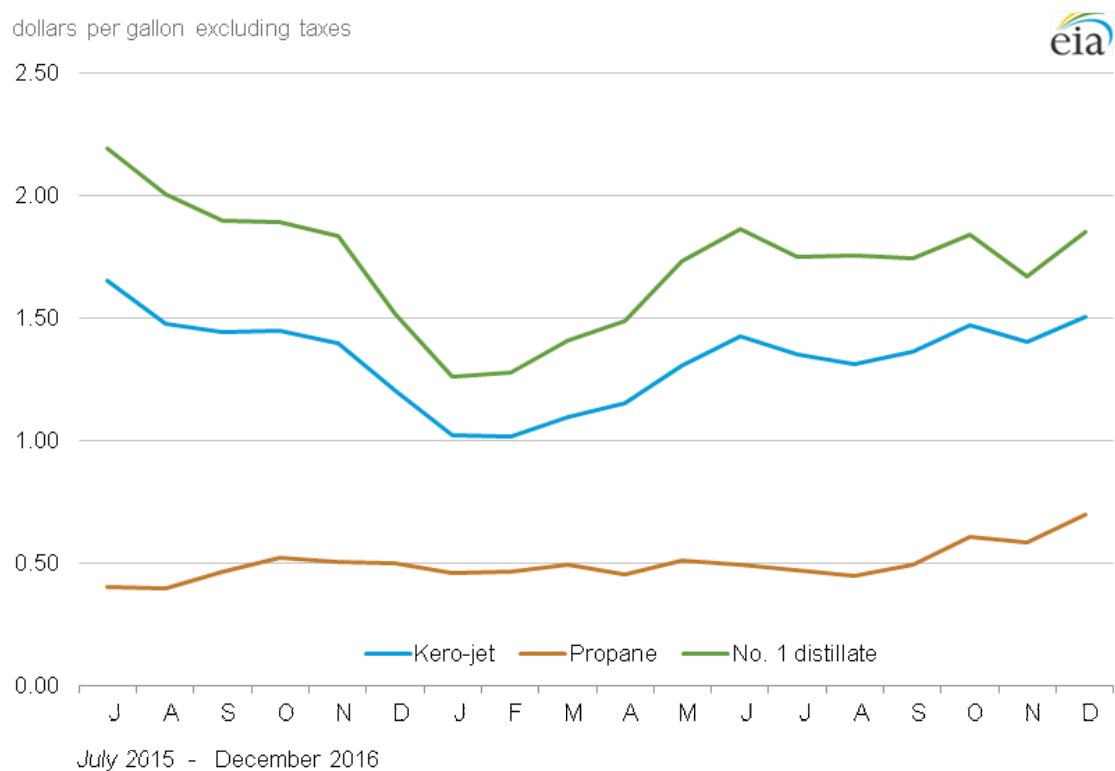
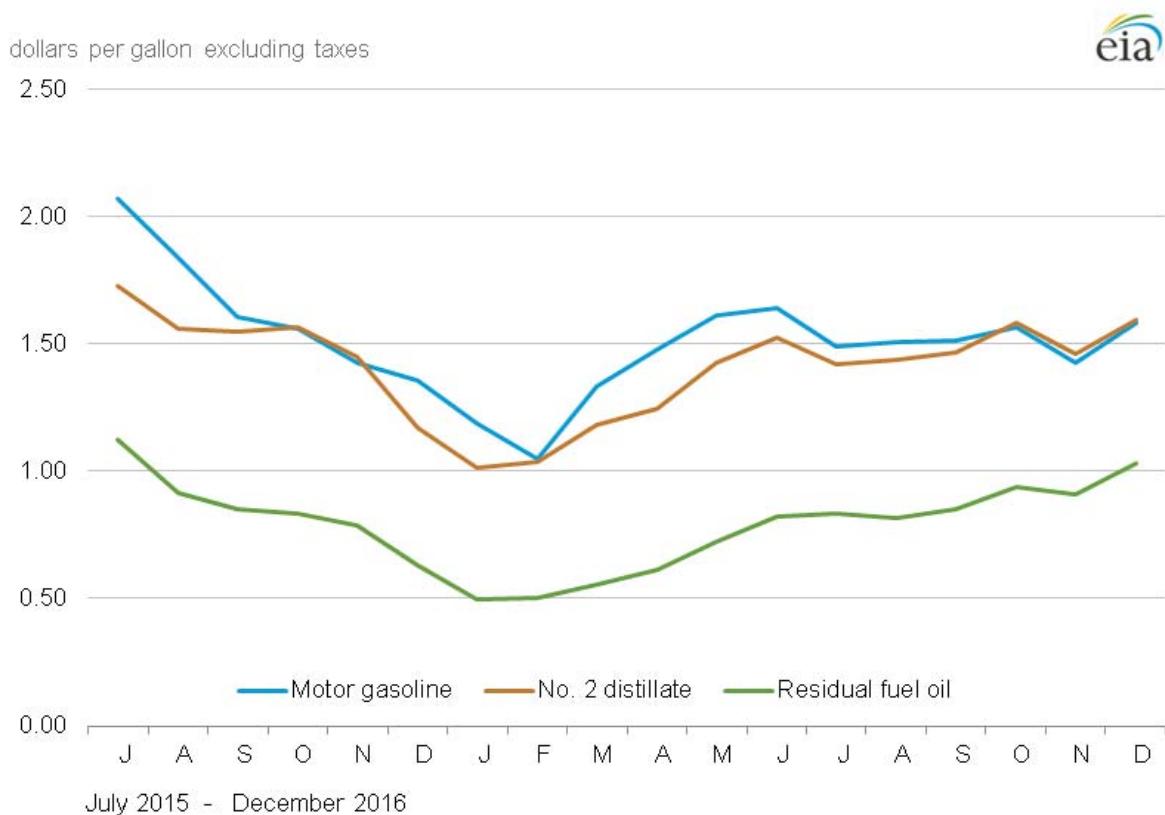
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[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 4. U.S. Refiner wholesale petroleum product prices

Source: U.S. Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 5. U.S. refiner volumes of petroleum sales for resale
million gallons per day

Year month	Motor gasoline	Aviation gasoline	Kerosene type jet fuel	Propane (consumer grade)	Kerosene	No. 2 distillate				Residual fuel oil	
						No. 1 distillate	No. 2 diesel fuel	No. 2 fuel oil	Average		
1985	256.9	0.7	7.6	29.2	2.4	2.7	43.3	53.9	97.3	1.2	19.9
1986	257.2	0.7	9.2	26.3	2.4	2.5	46.4	53.8	100.3	1.2	18.6
1987	257.2	0.8	10.1	27.0	2.3	2.0	44.3	49.3	93.6	1.5	16.9
1988	263.7	0.7	10.0	27.7	2.7	2.6	47.8	50.1	97.9	1.2	18.9
1989	260.7	0.7	8.6	25.9	2.7	2.7	50.7	46.7	97.5	1.2	21.0
1990	264.8	0.7	8.8	25.5	2.2	2.4	51.9	45.9	97.8	0.8	17.9
1991	261.3	0.7	8.7	25.4	2.1	2.4	51.5	46.9	98.3	0.4	17.8
1992	265.4	0.7	8.0	26.7	2.2	2.3	50.8	48.9	99.7	0.4	15.2
1993	266.9	0.6	8.3	27.9	2.3	2.3	58.0	43.6	101.7	0.4	12.6
1994	276.7	0.7	9.1	28.4	2.5	1.9	72.4	32.9	105.3	0.4	12.8
1995	288.8	0.6	9.9	30.6	2.4	1.7	75.9	31.0	106.9	0.3	13.6
1996	293.6	0.6	11.5	32.9	2.7	1.8	83.7	33.1	116.8	0.3	13.8
1997	292.7	0.6	11.3	32.2	2.5	1.6	88.7	31.2	119.9	0.2	11.5
1998	300.4	0.6	12.2	32.7	2.2	1.4	91.9	27.3	119.2	0.1	15.4
1999	306.9	0.7	15.2	33.6	2.4	1.7	95.5	24.3	119.9	0.2	11.5
2000	304.4	0.6	15.7	34.8	2.3	1.5	98.8	23.3	122.1	0.2	10.5
2001	305.2	0.6	14.3	35.0	2.2	1.4	101.3	25.2	126.4	0.1	10.3
2002	311.8	0.6	12.1	32.9	2.0	1.3	100.8	23.6	124.4	0.1	8.8
2003	311.6	0.5	12.2	36.5	2.3	1.2	108.9	20.9	129.8	0.1	6.7
2004	316.4	0.6	12.7	40.3	2.1	1.3	116.5	19.6	136.1	NA	5.9
2005	321.8	0.5	15.2	35.1	2.0	1.4	118.7	20.6	139.3	NA	4.7
2006	315.6	0.5	15.2	39.4	1.4	1.3	123.2	16.7	139.9	0.3	6.5
2007	319.8	0.5	16.6	41.7	1.4	0.9	135.3	14.5	149.8	0.3	8.2
2008	306.4	0.4	16.5	34.2	1.0	1.0	138.7	14.9	153.6	0.2	9.5
2009	307.4	0.4	15.2	31.8	1.3	1.0	128.0	15.1	143.1	0.1	9.8
2010	312.0	0.4	20.3	28.3	1.4	0.9	135.5	11.5	147.0	W	10.7
2011	296.3	0.4	23.0	28.6	1.2	1.0	134.6	10.7	145.3	0.1	12.2
2012	294.7	0.4	23.5	27.6	1.2	0.8	136.9	10.7	147.6	W	8.8
2013	291.0	0.4	26.4	34.9	1.3	1.0	142.9	7.7	150.6	0.1	9.0
2014	289.2	0.4	27.5	32.9	1.4	1.4	146.3	7.0	153.3	0.1	8.0
2015											
January	281.3	0.3	26.0	45.6	2.0	3.2	141.1	10.9	152.0	0.2	6.5
February	292.0	0.4	26.9	46.6	1.3	3.0	142.6	10.4	153.0	0.1	7.7
March	292.8	0.4	28.4	33.4	0.8	1.1	142.8	7.4	150.2	0.1	7.8
April	302.2	0.5	29.5	29.4	0.8	0.4	150.3	4.6	154.9	0.2	7.6
May	300.0	0.4	27.3	25.0	0.7	0.2	143.9	4.5	148.3	0.1	8.0
June	305.0	0.4	29.8	25.1	1.5	0.2	155.8	2.7	158.5	0.1	8.9
July	305.1	0.6	29.4	23.2	1.3	0.2	151.2	3.0	154.3	0.2	8.3
August	304.1	0.5	29.1	25.9	1.6	0.2	148.6	3.7	152.4	0.1	9.1
September	303.7	0.5	30.0	32.1	1.1	0.5	152.5	3.7	156.2	0.1	8.1
October	299.8	0.6	27.0	28.5	1.1	1.1	149.9	9.0	158.9	W	8.2
November	298.2	0.3	29.6	30.7	1.0	2.0	139.3	10.0	149.3	W	8.0
December	299.9	0.3	30.3	34.8	1.3	2.2	140.0	10.6	150.6	0.1	8.9
2016											
January	285.3	0.3	29.3	45.5	1.6	2.4	130.5	12.3	142.8	0.2	9.3
February	295.0	0.4	28.6	43.8	1.5	1.7	132.9	12.8	145.7	W	9.3
March	303.8	0.4	28.5	29.1	0.6	0.7	137.7	8.5	146.2	0.2	9.2
April	302.5	0.6	28.2	26.1	0.8	0.3	137.4	7.7	145.1	0.2	9.0
May	305.8	0.4	29.7	27.4	0.9	0.1	137.5	6.8	144.3	0.1	9.9
June	314.9	0.5	30.9	25.5	0.7	0.1	138.6	4.8	143.4	0.1	8.9
July	315.9	0.5	31.2	24.1	0.9	0.1	131.3	4.9	136.3	W	7.6
August	314.8	0.6	31.8	29.2	1.5	0.2	142.3	3.8	146.1	W	8.1
September	307.8	0.4	32.0	28.4	1.0	0.5	142.8	6.0	148.8	W	7.9
October	301.9	0.4	30.9	33.1	1.2	1.0	144.3	8.2	152.4	W	7.1
November	R299.6	0.4	R30.4	R35.4	1.4	1.7	R142.9	R9.1	R151.9	W	7.2
December	298.3	0.4	32.4	41.2	1.9	3.2	141.1	14.4	155.5	W	7.6

NA = Not available.

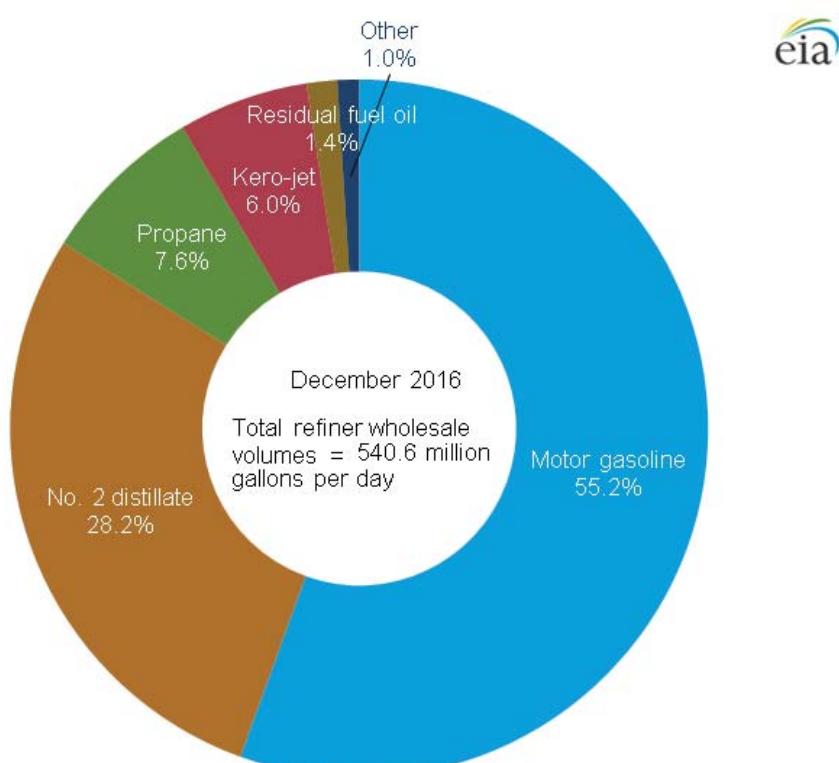
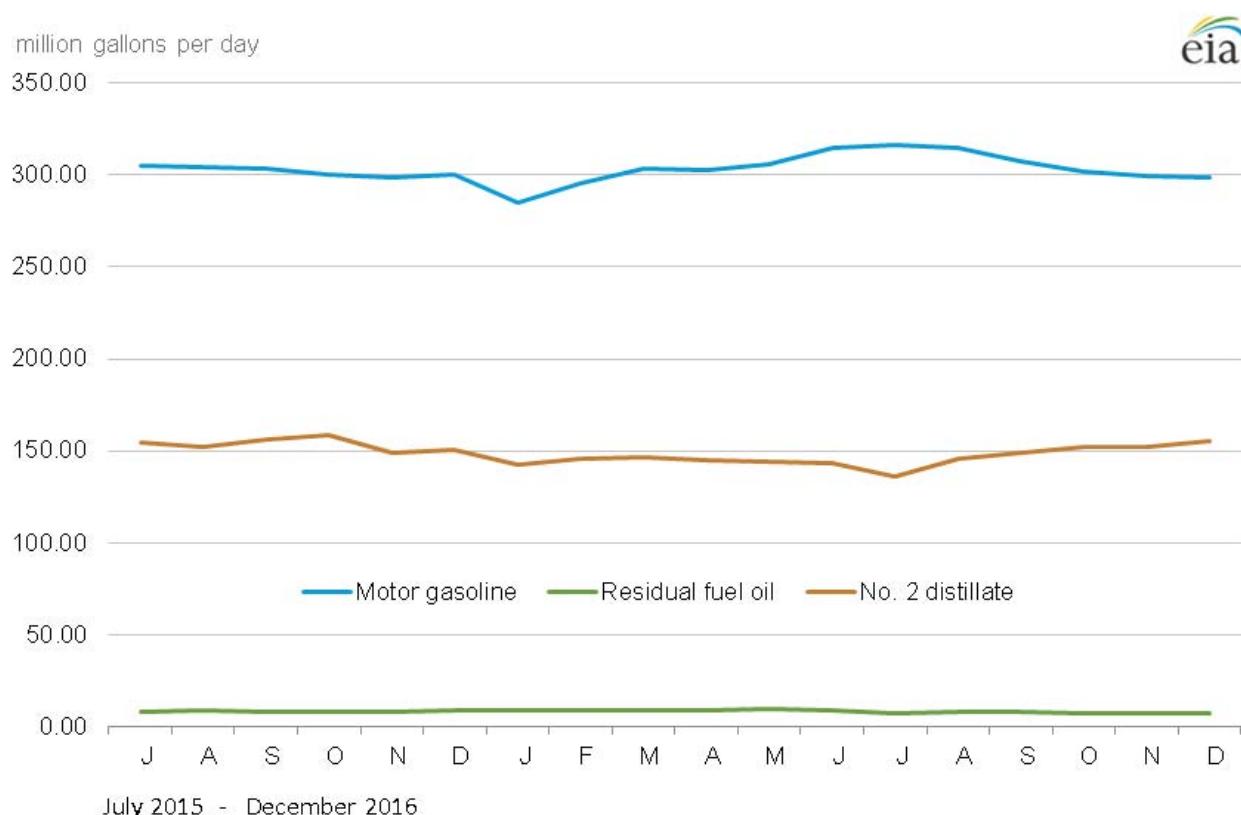
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[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 5. U.S. Refiner wholesale petroleum product volumes

Source: U.S. Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 6. U.S. refiner motor gasoline prices by grade and sales type
dollars per gallon excluding taxes

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1985	0.925	0.917	-	-	-	0.843	-	-	-	-	-	-
1986	0.624	0.616	-	-	-	0.522	-	-	-	-	-	-
1987	0.659	0.650	-	-	-	0.569	-	-	-	-	-	-
1988	0.649	0.641	-	-	-	0.548	-	-	-	-	-	-
1989	0.720	0.714	-	-	-	0.618	0.796	0.793	-	-	-	0.686
1990	0.853	0.849	-	-	-	0.758	0.923	0.921	-	-	-	0.814
1991	0.764	0.761	-	-	-	0.672	0.847	0.843	-	-	-	0.733
1992	0.746	0.743	-	-	-	0.645	0.831	0.827	-	-	-	0.708
1993	0.716	0.712	-	-	-	0.593	0.810	0.805	-	-	-	0.660
1994	0.695	0.689	0.646	0.547	0.502	0.566	0.791	0.785	0.704	0.584	NA	0.638
1995	0.723	0.717	0.682	0.576	0.534	0.593	0.813	0.808	0.737	0.619	NA	0.670
1996	0.812	0.807	0.770	0.672	0.622	0.685	0.901	0.896	0.824	0.709	NA	0.759
1997	0.803	0.798	0.764	0.656	0.615	0.673	0.898	0.895	0.822	0.694	0.711	0.749
1998	0.634	0.630	0.596	0.481	0.449	0.499	0.731	0.728	0.655	0.521	NA	0.576
1999	0.747	0.742	0.730	0.605	0.542	0.620	0.838	0.835	0.784	0.639	NA	0.696
2000	1.077	1.073	1.042	0.927	0.873	0.942	1.171	1.168	1.099	0.960	-	1.013
2001	1.000	0.997	0.977	0.848	0.786	0.865	1.103	1.100	1.042	0.888	-	0.945
2002	0.915	0.912	0.886	0.801	0.735	0.806	1.013	1.010	0.968	0.839	-	0.885
2003	1.127	1.123	1.134	0.965	0.888	0.981	1.222	1.218	1.196	1.004	-	1.061
2004	1.407	1.404	1.414	1.257	1.182	1.269	1.503	1.499	1.469	1.296	-	1.340
2005	1.805	1.802	1.765	1.653	1.568	1.654	1.896	1.893	1.821	1.681	-	1.708
2006	2.102	2.099	2.082	1.944	1.866	1.950	2.216	2.213	2.157	1.987	-	2.016
2007	2.318	2.315	2.278	2.161	2.074	2.161	2.440	2.438	2.351	2.226	-	2.245
2008	2.752	2.748	2.702	2.558	2.525	2.570	2.880	2.879	2.775	2.588	-	2.610
2009	1.860	1.856	1.866	1.744	1.668	1.747	1.998	1.997	1.957	1.762	-	1.784
2010	2.275	2.270	2.261	2.144	2.073	2.146	2.416	2.416	2.357	2.168	-	2.185
2011	3.028	3.021	2.961	2.846	2.762	2.847	3.165	3.165	3.057	2.880	-	2.893
2012	3.132	3.118	3.086	2.892	2.836	2.904	3.291	3.290	3.194	2.906	-	2.925
2013	3.029	3.010	2.907	2.769	2.747	2.779	3.200	3.199	3.038	2.862	-	2.876
2014	2.832	2.811	2.767	2.574	2.520	2.584	3.031	3.030	2.903	2.716	-	2.738
2015												
January	1.618	1.616	1.547	1.318	1.302	1.332	1.858	1.859	1.671	1.440	-	1.468
February	1.809	1.807	1.861	1.589	1.535	1.604	2.026	2.025	2.025	1.710	-	1.748
March	1.990	1.987	2.198	1.696	1.698	1.732	2.281	2.279	2.303	1.834	-	1.889
April	1.996	1.995	2.164	1.771	1.746	1.796	2.264	2.262	2.310	1.903	-	1.950
May	2.253	2.252	2.604	1.999	1.953	2.037	2.563	2.560	2.741	2.135	-	2.199
June	2.317	2.315	2.451	2.051	2.002	2.075	2.571	2.569	2.594	2.202	-	2.244
July	2.267	2.266	2.645	1.971	1.983	2.017	2.595	2.593	2.802	2.157	-	2.222
August	2.149	2.147	2.358	1.742	1.695	1.781	2.470	2.469	2.479	1.942	-	1.998
September	1.847	1.845	2.018	1.530	1.450	1.556	2.177	2.176	2.171	1.718	-	1.768
October	1.787	1.785	1.856	1.491	1.406	1.510	2.056	2.056	2.051	1.674	-	1.717
November	1.644	1.643	1.756	1.354	1.340	1.380	1.919	1.919	1.921	1.522	-	1.569
December	1.531	1.530	1.730	1.282	1.260	1.310	1.837	1.836	1.922	1.444	-	1.502
2016												
January	1.426	1.426	1.648	1.101	1.148	1.142	1.760	1.759	1.794	1.257	-	1.321
February	1.257	1.256	1.351	0.977	0.985	1.003	1.555	1.554	1.499	1.118	-	1.165
March	1.487	1.485	1.638	1.273	1.198	1.291	1.745	1.744	1.808	1.441	-	1.486
April	1.658	1.656	1.757	1.412	1.336	1.431	1.927	1.926	1.886	1.574	-	1.612
May	1.806	1.806	1.805	1.559	1.455	1.568	2.047	2.046	1.928	1.716	-	1.741
June	1.901	1.900	1.866	1.585	1.513	1.598	2.123	2.121	1.996	1.749	-	1.776
July	1.729	1.729	1.781	1.421	1.411	1.444	2.025	2.024	1.893	1.592	-	1.627
August	1.687	1.687	1.643	1.458	1.390	1.465	1.945	1.944	1.781	1.619	-	1.637
September	1.716	1.716	1.759	1.449	1.438	1.469	1.996	1.995	1.895	1.617	-	1.650
October	1.748	1.748	1.791	1.505	1.478	1.523	2.027	2.027	1.935	1.676	-	1.706
November	1.685	1.684	1.673	1.361	1.393	1.384	1.987	1.985	1.797	1.521	-	R1.552
December	1.783	1.782	1.685	1.541	1.469	1.547	2.031	2.029	1.828	1.684	-	1.701

See footnotes at end of table.

Table 6. U.S. refiner motor gasoline prices by grade and sales type (cont.)

dollars per gallon excluding taxes

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1985	1.030	1.023	-	-	-	0.922	0.921	0.912	-	-	-	0.835
1986	0.748	0.737	-	-	-	0.610	0.632	0.624	-	-	-	0.531
1987	0.790	0.784	-	-	-	0.671	0.678	0.669	-	-	-	0.589
1988	0.794	0.788	-	-	-	0.672	0.681	0.673	-	-	-	0.577
1989	0.874	0.868	-	-	-	0.749	0.763	0.756	-	-	-	0.654
1990	0.990	0.985	-	-	-	0.874	0.888	0.883	-	-	-	0.786
1991	0.912	0.907	-	-	-	0.792	0.800	0.797	-	-	-	0.699
1992	0.920	0.914	-	-	-	0.774	0.792	0.787	-	-	-	0.677
1993	0.896	0.889	-	-	-	0.722	0.765	0.759	-	-	-	0.626
1994	0.873	0.865	0.787	0.640	0.556	0.695	0.744	0.738	0.693	0.567	0.509	0.599
1995	0.897	0.890	0.822	0.673	0.583	0.722	0.771	0.765	0.729	0.598	0.540	0.626
1996	0.979	0.972	0.897	0.762	0.669	0.803	0.853	0.847	0.809	0.690	0.627	0.713
1997	0.979	0.973	0.895	0.749	0.658	0.792	0.844	0.839	0.803	0.674	0.620	0.700
1998	0.811	0.805	0.726	0.573	0.489	0.617	0.678	0.673	0.636	0.500	0.454	0.526
1999	0.912	0.906	0.851	0.687	0.585	0.726	0.785	0.781	0.765	0.621	0.549	0.645
2000	1.250	1.242	1.174	1.017	0.927	1.055	1.111	1.106	1.074	0.940	0.879	0.963
2001	1.181	1.175	1.112	0.936	0.830	0.980	1.035	1.032	1.009	0.862	0.791	0.886
2002	1.094	1.088	1.030	0.899	0.800	0.928	0.949	0.947	0.922	0.816	0.741	0.828
2003	1.312	1.305	1.269	1.064	0.955	1.113	1.160	1.156	1.164	0.978	0.893	1.002
2004	1.603	1.596	1.553	1.361	1.274	1.408	1.439	1.435	1.442	1.270	1.187	1.288
2005	2.000	1.992	1.901	1.760	1.696	1.789	1.833	1.829	1.791	1.664	1.576	1.670
2006	2.326	2.320	2.231	2.093	1.988	2.117	2.131	2.128	2.110	1.959	1.873	1.969
2007	2.558	2.552	2.460	2.339	2.209	2.357	2.349	2.345	2.311	2.180	2.080	2.182
2008	2.971	2.965	2.846	2.718	2.689	2.746	2.778	2.775	2.726	2.572	2.532	2.586
2009	2.128	2.122	2.059	1.941	1.816	1.958	1.892	1.888	1.899	1.761	1.675	1.767
2010	2.543	2.536	2.446	2.334	2.187	2.346	2.306	2.301	2.293	2.162	2.078	2.165
2011	3.291	3.283	3.139	3.047	2.873	3.049	3.058	3.050	2.990	2.864	2.769	2.867
2012	3.413	3.400	3.273	3.149	3.102	3.163	3.168	3.154	3.117	2.916	2.861	2.929
2013	3.320	3.307	3.108	3.076	3.010	3.075	3.068	3.049	2.942	2.801	2.774	2.812
2014	3.152	3.138	2.941	2.878	2.783	2.880	2.876	2.855	2.800	2.606	2.548	2.618
2015												
January	2.012	2.008	1.741	1.615	1.481	1.625	1.674	1.673	1.588	1.350	1.317	1.366
February	2.178	2.174	2.078	1.881	1.728	1.900	1.861	1.858	1.906	1.620	1.550	1.637
March	2.456	2.449	2.386	2.021	1.910	2.066	2.057	2.054	2.236	1.731	1.716	1.770
April	2.434	2.429	2.378	2.105	1.932	2.130	2.060	2.058	2.208	1.808	1.765	1.835
May	2.744	2.738	2.809	2.354	2.176	2.402	2.324	2.322	2.645	2.038	1.974	2.080
June	2.722	2.717	2.660	2.439	2.356	2.464	2.376	2.374	2.494	2.094	2.030	2.121
July	2.756	2.751	2.873	2.422	2.452	2.480	2.340	2.338	2.691	2.023	2.025	2.072
August	2.627	2.621	2.560	2.214	2.035	2.247	2.221	2.218	2.400	1.796	1.731	1.838
September	2.343	2.337	2.229	1.969	1.746	1.991	1.922	1.920	2.063	1.581	1.475	1.609
October	2.228	2.222	2.093	1.889	1.680	1.904	1.851	1.849	1.907	1.536	1.437	1.558
November	2.113	2.109	1.982	1.741	1.505	1.756	1.713	1.711	1.805	1.398	1.359	1.426
December	2.039	2.034	1.979	1.667	1.459	1.695	1.605	1.604	1.784	1.325	1.281	1.356
2015	2.392	2.386	2.312	2.035	1.845	2.061	2.006	2.003	2.148	1.696	1.627	1.726
2016												
January	1.963	1.958	1.873	1.473	1.309	1.519	1.506	1.505	1.696	1.143	1.164	1.187
February	1.760	1.757	1.578	1.322	1.140	1.346	1.333	1.332	1.402	1.016	1.005	1.046
March	1.938	1.935	1.892	1.633	1.421	1.656	1.554	1.552	1.694	1.314	1.218	1.335
April	2.121	2.119	1.999	1.779	1.526	1.788	1.727	1.725	1.809	1.454	1.366	1.476
May	2.242	2.240	2.043	1.928	1.658	1.925	1.871	1.869	1.857	1.602	1.479	1.613
June	2.319	2.316	2.109	1.956	1.753	1.962	1.962	1.961	1.919	1.628	1.540	1.643
July	2.225	2.223	2.005	1.788	1.576	1.801	1.804	1.804	1.831	1.467	1.428	1.490
August	2.143	2.141	1.878	1.813	1.575	1.810	1.755	1.754	1.696	1.501	1.404	1.508
September	2.192	2.189	1.999	1.827	1.592	1.836	1.789	1.788	1.813	1.493	1.454	1.514
October	2.237	2.234	2.036	1.884	1.669	1.892	1.819	1.819	1.846	1.548	1.501	1.568
November	2.199	2.196	1.903	1.729	1.539	1.744	1.760	1.759	1.724	1.403	1.406	1.427
December	2.242	2.239	1.935	1.871	1.614	1.861	1.849	1.848	1.741	1.578	1.489	1.585

NA = Not available.

- = No data reported.

R = Revised data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales. - Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent. - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 7. U.S. refiner motor gasoline volumes by grade and sales type
million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1985	26.2	29.9	-	-	-	119.7	-	-	-	-	-	-
1986	30.9	34.7	-	-	-	127.0	-	-	-	-	-	-
1987	32.7	36.1	-	-	-	141.9	-	-	-	-	-	-
1988	34.2	37.3	-	-	-	153.6	-	-	-	-	-	-
1989	34.3	36.8	-	-	-	155.7	4.9	5.1	-	-	-	16.4
1990	36.7	38.8	-	-	-	174.5	7.4	7.6	-	-	-	23.1
1991	38.4	40.4	-	-	-	180.9	7.9	8.2	-	-	-	23.7
1992	36.5	38.4	-	-	-	182.2	8.9	9.2	-	-	-	27.5
1993	35.6	37.2	-	-	-	184.0	8.7	8.9	-	-	-	27.7
1994	34.3	35.9	47.7	120.3	24.3	192.3	8.5	8.7	12.8	15.7	0.2	28.7
1995	34.3	35.9	43.8	126.2	31.8	201.8	9.6	9.8	13.3	17.2	0.1	30.6
1996	37.2	38.9	46.5	131.9	35.2	213.6	9.5	9.8	12.9	16.6	NA	29.5
1997	40.5	42.4	46.2	135.7	33.9	215.8	9.7	10.0	12.1	16.3	NA	28.4
1998	41.7	43.2	44.4	138.9	37.1	220.3	10.1	10.3	11.1	16.3	NA	27.4
1999	41.6	43.0	45.6	147.5	34.5	227.6	9.9	10.1	10.5	16.1	NA	26.6
2000	43.6	45.0	47.5	159.3	32.4	239.3	8.6	8.7	8.8	14.2	-	23.0
2001	45.0	46.3	47.2	163.2	33.0	243.5	8.3	8.4	7.8	13.3	-	21.1
2002	46.2	47.4	46.9	163.0	39.2	249.2	8.3	8.5	7.4	13.4	-	20.8
2003	47.3	48.6	43.5	171.4	40.1	255.0	7.8	7.9	5.5	13.1	-	18.6
2004	44.5	45.8	41.1	182.1	42.2	265.4	6.4	6.5	4.4	12.7	-	17.0
2005	46.4	47.5	37.5	189.8	45.8	273.2	5.9	6.0	3.2	13.5	-	16.7
2006	48.2	49.4	34.8	196.0	40.8	271.7	5.5	5.5	2.4	11.7	-	14.1
2007	47.0	47.8	34.0	195.7	46.8	276.6	5.0	5.0	2.0	11.7	-	13.7
2008	45.6	46.6	32.5	192.7	43.7	268.8	4.1	4.2	1.5	11.0	-	12.5
2009	40.5	42.2	32.4	196.8	39.3	268.5	3.5	3.5	1.3	10.2	-	11.5
2010	36.6	38.1	29.0	202.2	41.4	272.5	3.0	3.1	0.9	9.9	-	10.8
2011	32.1	33.5	24.9	204.9	30.5	260.2	2.5	2.5	0.7	8.5	-	9.2
2012	23.6	25.2	22.4	209.3	25.8	257.5	1.9	1.9	0.6	8.3	-	8.9
2013	19.3	20.9	22.7	209.2	22.3	254.2	1.6	1.6	0.6	6.7	-	7.2
2014	16.7	18.2	18.9	216.9	18.9	254.8	1.4	1.4	0.4	3.1	-	3.5
2015												
January	19.8	20.1	17.2	210.9	19.4	247.5	1.6	1.6	0.3	2.5	-	2.9
February	20.2	20.5	18.1	218.4	21.2	257.7	1.7	1.7	0.4	2.6	-	3.0
March	20.3	20.6	18.3	219.1	20.4	257.9	1.7	1.7	0.4	2.7	-	3.1
April	20.7	21.1	18.2	226.1	20.7	265.0	1.7	1.7	0.4	2.8	-	3.2
May	21.2	21.5	18.0	225.5	19.3	262.8	1.8	1.8	0.4	3.0	-	3.3
June	21.3	21.6	18.3	230.9	18.0	267.2	1.8	1.8	0.4	3.0	-	3.3
July	21.5	21.8	18.0	232.1	16.9	267.0	1.8	1.8	0.3	3.0	-	3.3
August	21.2	21.5	18.3	228.4	18.5	265.2	1.8	1.8	0.3	2.9	-	3.2
September	21.0	21.3	18.0	225.2	22.4	265.5	1.8	1.8	0.3	2.7	-	3.1
October	21.2	21.5	18.0	227.1	16.8	262.0	1.8	1.8	0.3	2.6	-	3.0
November	20.5	20.8	17.7	222.8	20.1	260.6	1.7	1.7	0.3	2.5	-	2.9
December	20.6	20.9	17.9	222.9	21.9	262.6	1.7	1.8	0.3	2.5	-	2.8
2016												
January	19.9	20.2	17.2	214.4	18.2	249.8	1.7	1.7	0.3	2.4	-	2.8
February	20.4	20.7	18.0	222.4	16.7	257.0	1.8	1.8	0.3	2.4	-	2.7
March	20.5	20.7	18.1	224.8	23.1	266.0	1.8	1.8	0.3	2.4	-	2.8
April	21.0	21.3	18.4	228.7	16.0	263.1	1.8	1.8	0.3	2.5	-	2.9
May	21.1	21.3	18.3	228.6	19.1	266.0	1.8	1.8	0.3	2.6	-	3.0
June	21.7	21.9	18.2	235.5	20.4	274.1	1.9	1.9	0.3	2.7	-	3.1
July	21.4	21.6	18.0	232.3	22.7	273.0	1.9	1.9	0.3	2.7	-	3.0
August	21.5	21.7	18.4	233.9	21.8	274.1	1.9	1.9	0.3	2.7	-	3.0
September	21.4	21.6	18.0	229.9	20.6	268.5	1.9	1.9	0.3	2.5	-	2.8
October	21.1	21.4	17.8	229.7	16.2	263.6	1.8	1.8	0.3	2.4	-	2.7
November	20.1	20.3	17.4	R228.3	16.5	R262.2	1.7	1.7	0.3	R2.4	-	R2.7
December	19.6	19.9	17.6	227.2	15.9	260.8	1.7	1.7	0.3	2.2	-	2.6

See footnotes at end of table.

Table 7. U.S. refiner motor gasoline volumes by grade and sales type (cont.)

million gallons per day

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1985	9.2	10.0	-	-	-	38.0	50.5	57.5	-	-	-	256.9
1986	9.0	9.8	-	-	-	45.1	54.2	61.2	-	-	-	257.2
1987	11.2	11.6	-	-	-	53.0	55.7	61.0	-	-	-	257.2
1988	13.8	14.5	-	-	-	62.4	56.7	61.0	-	-	-	263.7
1989	13.5	14.2	-	-	-	60.8	57.5	61.2	-	-	-	260.7
1990	11.2	11.7	-	-	-	53.7	57.4	60.3	-	-	-	264.8
1991	10.5	10.9	-	-	-	48.3	58.4	61.2	-	-	-	261.3
1992	10.3	10.7	-	-	-	51.7	56.4	59.0	-	-	-	265.4
1993	10.3	10.6	-	-	-	52.8	54.9	57.2	-	-	-	266.9
1994	10.0	10.3	22.6	29.9	3.2	55.7	52.8	55.0	83.1	165.9	27.7	276.7
1995	9.8	10.2	20.8	31.5	4.2	56.4	53.7	55.9	77.9	174.8	36.0	288.8
1996	8.4	8.8	18.2	28.3	4.1	50.5	55.1	57.5	77.5	176.8	39.3	293.6
1997	8.4	8.8	16.9	27.6	4.0	48.5	58.7	61.1	75.1	179.6	38.0	292.7
1998	9.6	9.9	17.4	30.9	4.3	52.7	61.4	63.3	73.0	186.1	41.4	300.4
1999	8.7	8.9	16.1	31.0	5.7	52.7	60.2	62.0	72.2	194.6	40.2	306.9
2000	6.9	7.1	13.0	24.4	4.7	42.1	59.1	60.9	69.4	197.9	37.1	304.4
2001	7.1	7.3	12.3	24.6	3.7	40.6	60.4	62.0	67.4	201.1	36.7	305.2
2002	7.5	7.8	12.5	25.2	4.1	41.8	62.1	63.6	66.9	201.7	43.3	311.8
2003	7.1	7.3	10.8	23.9	3.3	38.1	62.2	63.8	59.8	208.4	43.4	311.6
2004	5.9	6.1	9.4	22.3	2.3	34.0	56.9	58.4	54.8	217.1	44.5	316.4
2005	5.2	5.4	8.0	20.9	3.0	31.9	57.5	59.0	48.7	224.2	48.9	321.8
2006	4.9	5.1	7.1	20.3	2.4	29.7	58.6	60.0	44.3	228.0	43.2	315.6
2007	4.7	4.8	6.9	20.2	2.4	29.5	56.7	57.7	43.0	227.6	49.2	319.8
2008	4.2	4.3	5.9	17.1	1.9	25.0	53.9	55.1	39.9	220.8	45.7	306.4
2009	4.0	4.1	6.3	19.1	2.1	27.4	48.0	49.8	39.9	226.1	41.4	307.4
2010	3.4	3.5	5.7	20.9	2.1	28.7	43.1	44.7	35.7	232.9	43.5	312.0
2011	2.9	3.0	4.6	20.3	2.0	26.9	37.5	39.0	30.1	233.7	32.5	296.3
2012	2.5	2.6	4.2	21.6	2.6	28.4	28.0	29.7	27.2	239.2	28.4	294.7
2013	2.2	2.3	4.3	22.7	2.6	29.6	23.0	24.7	27.6	238.6	24.8	291.0
2014	1.9	2.0	4.2	24.4	2.3	30.9	19.9	21.6	23.5	244.5	21.2	289.2
2015												
January	2.5	2.5	4.4	24.7	1.8	30.9	23.9	24.2	21.9	238.2	21.1	281.3
February	2.5	2.5	4.5	25.1	1.8	31.4	24.3	24.6	22.9	246.1	23.0	292.0
March	2.5	2.5	4.5	25.5	1.8	31.8	24.4	24.8	23.1	247.3	22.3	292.8
April	2.6	2.6	4.6	27.2	2.3	34.0	25.0	25.4	23.1	256.1	23.0	302.2
May	2.6	2.6	4.4	27.5	2.0	33.9	25.5	25.9	22.7	256.0	21.3	300.0
June	2.6	2.6	4.5	28.3	1.6	34.4	25.7	26.0	23.2	262.2	19.5	305.0
July	2.6	2.7	4.4	28.7	1.7	34.8	26.0	26.3	22.7	263.9	18.5	305.1
August	2.7	2.7	4.6	28.9	2.2	35.7	25.7	26.0	23.2	260.2	20.7	304.1
September	2.7	2.7	4.7	28.4	2.0	35.1	25.4	25.7	23.0	256.3	24.4	303.7
October	2.6	2.7	4.7	28.0	2.1	34.9	25.6	25.9	23.1	257.8	19.0	299.8
November	2.6	2.7	4.7	27.5	2.5	34.7	24.8	25.2	22.7	252.9	22.6	298.2
December	2.6	2.7	4.7	27.2	2.6	34.5	25.0	25.3	22.9	252.5	24.5	299.9
2016												
January	2.5	2.6	4.6	26.1	2.1	32.8	24.1	24.4	22.1	243.0	20.2	285.3
February	2.7	2.7	5.0	27.8	2.5	35.3	24.9	25.2	23.3	252.6	19.1	295.0
March	2.7	2.7	4.9	27.7	2.3	35.0	25.0	25.2	23.4	255.0	25.4	303.8
April	2.7	2.8	5.0	28.6	3.0	36.5	25.6	25.9	23.7	259.8	19.0	302.5
May	2.8	2.8	5.0	29.2	2.5	36.8	25.7	26.0	23.7	260.4	21.7	305.8
June	2.8	2.9	5.0	30.1	2.6	37.7	26.4	26.7	23.6	268.3	23.0	314.9
July	2.8	2.9	5.0	32.3	2.7	40.0	26.1	26.3	23.3	267.3	25.3	315.9
August	2.9	2.9	5.2	30.6	1.9	37.6	26.2	26.5	23.9	267.2	23.7	314.8
September	2.9	2.9	5.0	29.1	2.4	36.5	26.2	26.4	23.4	261.5	23.0	307.8
October	2.7	2.7	4.9	28.4	2.2	35.5	25.6	25.9	23.0	260.5	18.4	301.9
November	2.6	2.6	4.9	28.2	1.7	34.8	24.4	24.6	22.5	R258.9	18.2	R299.6
December	2.5	2.5	4.9	27.5	2.6	35.0	23.9	24.1	22.8	257.0	18.5	298.3

NA = Not available.

- = No data reported.

R = Revised data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Motor gasoline averages and totals prior to October 1993 include leaded gasoline. - Data for the 4th quarter of 1993 were derived from two separate survey systems. The DTW, Rack, and Bulk components were derived from the revised EIA-782 survey system, while the End-Use and Average Resale categories were derived from the predecessor EIA-782 survey system. Therefore, the DTW, Rack, and Bulk components are not consistent with the Average Resale category. Beginning January 1994, all data are from the revised EIA-782 survey system and are consistent. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 8. U.S. refiner conventional motor gasoline prices by grade and sales type
dollars per gallon excluding taxes

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.687	0.681	0.636	0.545	0.500	0.558	0.784	0.778	0.694	NA	NA	0.627
1995	0.710	0.704	0.651	0.570	0.525	0.573	0.800	0.794	0.711	0.610	NA	0.637
1996	0.797	0.791	0.743	0.665	0.607	0.664	0.884	0.878	0.801	0.700	NA	0.726
1997	0.781	0.775	0.719	0.649	0.600	0.648	0.874	0.869	0.783	0.685	W	0.708
1998	0.611	0.606	0.551	0.473	0.439	0.473	0.704	0.700	0.613	0.511	W	0.533
1999	0.710	0.706	0.676	0.595	0.520	0.590	0.802	0.799	0.734	0.628	-	0.650
2000	1.045	1.040	0.994	0.913	0.844	0.909	1.136	1.133	1.052	0.945	-	0.964
2001	0.961	0.958	0.914	0.835	0.761	0.830	1.058	1.055	0.984	0.872	-	0.889
2002	0.893	0.891	0.836	0.791	0.723	0.782	0.985	0.981	0.906	0.829	-	0.839
2003	1.081	1.078	1.040	0.952	0.871	0.942	1.173	1.168	1.108	0.994	-	1.006
2004	1.368	1.364	1.325	1.244	1.170	1.234	1.454	1.450	1.391	1.287	-	1.296
2005	1.780	1.776	1.709	1.643	1.555	1.629	1.861	1.857	1.781	1.675	-	1.682
2006	2.062	2.060	2.054	1.925	1.864	1.918	2.166	2.164	2.134	1.972	-	1.980
2007	2.292	2.289	2.242	2.153	2.065	2.138	2.392	2.390	2.298	2.222	-	2.225
2008	2.717	2.714	2.698	2.560	2.513	2.555	2.829	2.829	2.734	2.581	-	2.586
2009	1.825	1.821	1.817	1.735	1.657	1.723	1.936	1.936	1.877	1.751	-	1.755
2010	2.244	2.239	2.244	2.139	2.065	2.128	2.361	2.361	2.336	2.160	-	2.164
2011	2.998	2.989	2.916	2.834	2.751	2.825	3.105	3.104	3.033	2.869	-	2.872
2012	3.076	3.060	2.999	2.867	2.816	2.864	3.202	3.202	3.117	2.886	-	2.890
2013	2.975	2.954	2.797	2.745	2.724	2.745	3.110	3.110	2.947	2.850	-	2.852
2014	2.775	2.753	2.706	2.558	2.502	2.556	2.932	2.931	2.858	2.703	-	2.711
2015												
January	1.554	1.554	1.439	1.305	1.286	1.306	1.748	1.750	1.639	1.431	-	1.442
February	1.737	1.735	1.671	1.564	W	1.562	1.893	1.891	1.882	1.677	-	1.687
March	1.852	1.851	1.949	1.662	1.683	1.670	2.034	2.031	2.121	1.793	-	1.810
April	1.882	1.883	1.942	1.731	1.710	1.734	2.067	2.065	2.124	1.856	-	1.870
May	2.096	2.097	2.244	1.950	1.906	1.953	2.285	2.283	2.451	2.081	-	2.099
June	2.221	2.220	2.271	2.023	W	2.025	2.396	2.393	2.462	2.178	-	2.192
July	2.123	2.124	2.279	1.919	W	1.929	2.327	2.325	2.466	2.105	-	2.122
August	2.020	2.018	2.066	1.708	1.666	1.712	2.230	2.229	2.316	1.919	-	1.939
September	1.744	1.743	1.768	1.512	W	1.508	1.984	1.985	2.078	1.706	-	1.725
October	1.722	1.721	1.590	1.478	W	1.473	1.922	1.923	1.933	1.665	-	1.679
November	1.562	1.562	1.549	1.333	W	1.336	1.768	1.768	1.811	1.500	-	1.518
December	1.430	1.431	1.489	1.251	1.235	1.255	1.648	1.648	1.750	1.399	-	1.419
2015	1.833	1.833	1.858	1.625	1.575	1.625	2.033	2.032	2.090	1.794	-	1.809
2016												
January	1.304	1.305	1.296	1.073	W	1.083	1.524	1.524	1.578	1.221	-	1.241
February	1.167	1.167	1.103	0.960	W	0.964	1.377	1.376	1.349	1.098	-	1.112
March	1.413	1.412	1.329	1.248	1.175	1.242	1.602	1.601	1.558	1.408	-	1.416
April	1.577	1.576	1.459	1.383	1.310	1.379	1.782	1.781	1.653	1.548	-	1.554
May	1.749	1.749	1.604	1.543	1.425	1.535	1.951	1.950	1.743	1.707	-	1.709
June	1.855	1.854	1.658	1.562	1.493	1.558	2.043	2.041	1.802	1.735	-	1.738
July	1.648	1.649	1.604	1.408	1.392	1.411	1.891	1.890	1.765	1.589	-	1.599
August	1.636	1.636	1.529	1.455	W	1.449	1.865	1.866	1.681	1.633	-	1.635
September	1.659	1.660	1.620	1.439	W	1.441	1.905	1.905	1.770	1.620	-	1.629
October	1.691	1.692	1.648	1.493	1.456	1.493	1.933	1.933	1.796	1.674	-	1.681
November	1.613	1.613	1.520	1.346	W	1.351	1.865	R1.864	1.703	R1.513	-	R1.524
December	1.738	1.738	1.555	1.532	1.453	1.526	1.949	1.948	1.718	1.679	-	1.682

See footnotes at end of table.

Table 8. U.S. refiner conventional motor gasoline prices by grade and sales type (cont.)
dollars per gallon excluding taxes

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.863	0.855	0.778	0.638	0.555	0.682	0.736	0.729	0.683	0.565	0.507	0.589
1995	0.877	0.868	0.790	0.665	0.568	0.684	0.753	0.746	0.693	0.590	0.530	0.598
1996	0.960	0.951	0.869	0.755	0.645	0.767	0.834	0.827	0.778	0.682	0.610	0.685
1997	0.954	0.946	0.856	0.742	0.641	0.753	0.819	0.813	0.756	0.666	0.604	0.668
1998	0.783	0.776	0.684	W	0.474	0.576	0.652	0.647	0.589	0.491	0.442	0.494
1999	0.872	0.865	0.801	0.679	0.558	0.681	0.748	0.743	0.711	0.611	0.525	0.609
2000	1.211	1.201	1.120	1.002	0.897	1.005	1.076	1.071	1.023	0.926	0.849	0.925
2001	1.129	1.123	1.042	0.922	0.806	0.923	0.992	0.989	0.943	0.848	0.765	0.845
2002	1.064	1.058	0.978	0.889	0.788	0.886	0.924	0.921	0.867	0.806	0.729	0.798
2003	1.253	1.245	1.178	1.051	0.925	1.050	1.109	1.105	1.067	0.965	0.874	0.957
2004	1.544	1.534	1.466	1.347	1.248	1.348	1.391	1.387	1.348	1.257	1.174	1.247
2005	1.966	1.954	1.857	1.747	1.652	1.746	1.801	1.797	1.732	1.654	1.560	1.641
2006	2.274	2.265	2.215	2.070	1.981	2.071	2.084	2.082	2.077	1.940	1.869	1.933
2007	2.502	2.494	2.415	2.328	2.181	2.317	2.313	2.309	2.267	2.172	2.070	2.156
2008	2.928	2.921	2.851	2.726	2.650	2.726	2.736	2.733	2.716	2.573	2.518	2.568
2009	2.062	2.054	2.014	1.927	1.802	1.918	1.845	1.841	1.843	1.750	1.664	1.738
2010	2.489	2.478	2.443	2.329	2.172	2.318	2.264	2.259	2.270	2.155	2.069	2.143
2011	3.230	3.219	3.105	3.035	2.864	3.018	3.016	3.008	2.939	2.851	2.758	2.841
2012	3.316	3.299	3.194	3.116	3.094	3.116	3.098	3.083	3.024	2.887	2.843	2.886
2013	3.231	3.213	3.011	3.059	3.004	3.049	2.997	2.977	2.825	2.775	2.755	2.774
2014	3.063	3.043	2.901	2.885	2.794	2.875	2.800	2.778	2.736	2.589	2.535	2.587
2015												
January	1.908	1.901	1.648	1.615	1.480	1.604	1.587	1.586	1.475	1.335	1.302	1.335
February	2.062	2.054	W	1.854	1.702	1.842	1.765	1.763	1.709	1.591	1.538	1.588
March	2.214	2.207	2.157	1.986	1.880	1.983	1.885	1.884	1.984	1.692	1.700	1.700
April	2.244	2.239	2.156	2.071	1.895	2.055	1.916	1.917	1.979	1.764	1.730	1.766
May	2.459	2.454	2.473	2.308	2.128	2.298	2.131	2.131	2.285	1.985	1.928	1.987
June	2.577	2.570	W	2.432	2.349	2.428	2.254	2.253	2.311	2.064	2.008	2.065
July	2.508	2.504	W	2.375	2.415	2.382	2.160	2.161	2.319	1.965	1.991	1.975
August	2.407	2.401	2.302	2.203	2.016	2.189	2.058	2.057	2.109	1.759	1.707	1.763
September	2.166	2.158	W	1.968	1.713	1.946	1.786	1.785	1.812	1.559	1.449	1.553
October	2.124	2.114	W	1.885	1.648	1.860	1.760	1.759	1.637	1.519	1.413	1.513
November	1.977	1.970	W	1.725	1.471	1.697	1.602	1.601	1.591	1.372	1.326	1.373
December	1.866	1.860	1.726	1.630	1.410	1.609	1.471	1.472	1.532	1.288	1.254	1.290
2016												
January	1.737	1.733	W	1.441	1.272	1.428	1.345	1.346	1.337	1.109	1.137	1.117
February	1.593	1.590	W	1.315	1.132	1.297	1.209	1.209	1.143	0.995	0.991	0.998
March	1.812	1.808	1.548	1.612	1.381	1.586	1.451	1.450	1.369	1.283	1.194	1.276
April	1.995	1.992	1.674	1.763	1.489	1.726	1.617	1.617	1.498	1.421	1.339	1.416
May	2.174	2.170	1.809	1.935	1.630	1.898	1.791	1.790	1.641	1.583	1.451	1.573
June	2.275	2.270	1.862	1.955	1.723	1.926	1.895	1.894	1.696	1.602	1.522	1.597
July	2.122	2.119	1.812	1.787	1.549	1.764	1.696	1.697	1.643	1.451	1.410	1.452
August	2.103	2.099	W	1.837	1.559	1.812	1.682	1.682	1.566	1.495	1.393	1.487
September	2.142	2.137	W	1.846	1.566	1.817	1.707	1.708	1.658	1.480	1.440	1.480
October	2.182	2.178	1.860	1.901	1.642	1.874	1.738	1.738	1.685	1.533	1.479	1.533
November	2.112	2.108	W	1.733	1.500	1.715	1.660	1.660	1.557	1.384	1.382	1.388
December	2.207	2.202	1.762	1.875	1.586	1.838	1.780	1.780	1.592	1.564	1.472	1.558

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent. Sales to end users - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 9. U.S. refiner conventional motor gasoline volumes by grade and sales type
million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	29.7	31.2	36.1	113.5	22.8	172.4	7.6	7.8	10.1	14.6	0.1	24.8
1995	24.0	25.3	19.4	105.1	26.0	150.5	6.0	6.3	5.1	13.6	0.1	18.7
1996	24.1	25.4	17.8	108.5	27.1	153.4	5.7	5.9	4.4	12.9	NA	17.3
1997	25.0	26.4	16.4	110.9	26.4	153.7	5.7	5.9	3.9	12.7	W	16.6
1998	25.4	26.6	13.7	112.0	28.8	154.5	6.0	6.1	3.4	12.5	W	15.8
1999	25.0	26.0	13.4	117.4	24.9	155.8	5.9	6.0	3.1	12.2	-	15.3
2000	26.0	27.1	12.8	125.7	23.9	162.4	4.9	5.0	2.3	10.8	-	13.1
2001	26.6	27.4	12.0	128.5	24.0	164.5	4.6	4.7	1.9	10.2	-	12.0
2002	27.2	28.0	11.3	127.9	31.0	170.2	4.7	4.8	1.6	10.4	-	11.9
2003	27.5	28.3	10.3	131.1	32.4	173.8	4.3	4.4	1.2	10.0	-	11.2
2004	26.5	27.3	9.7	136.7	36.1	182.5	3.5	3.6	0.9	9.8	-	10.8
2005	27.4	28.3	9.0	140.1	36.4	185.5	3.1	3.2	0.7	10.8	-	11.5
2006	28.9	29.8	7.3	143.7	37.4	188.4	2.9	2.9	0.5	9.3	-	9.7
2007	29.6	30.2	7.4	150.3	43.0	200.7	2.6	2.6	0.5	10.3	-	10.8
2008	28.9	29.8	7.1	144.5	39.5	191.1	2.1	2.2	0.4	9.9	-	10.3
2009	26.5	27.8	6.6	147.0	35.9	189.5	1.9	1.9	0.3	9.1	-	9.4
2010	24.9	26.2	5.9	147.6	37.1	190.7	1.7	1.7	0.2	8.7	-	8.9
2011	21.3	22.4	5.4	147.3	26.3	179.0	1.3	1.3	0.1	7.4	-	7.5
2012	14.4	15.7	5.0	149.0	21.7	175.8	0.9	0.9	0.1	7.2	-	7.4
2013	11.6	13.0	6.2	149.9	18.8	174.9	0.7	0.7	0.1	5.7	-	5.8
2014	11.1	12.5	4.3	154.9	16.8	176.0	0.6	0.6	0.1	2.1	-	2.3
2015												
January	13.4	13.6	3.7	150.4	17.2	171.2	0.8	0.8	0.1	1.8	-	1.9
February	13.5	13.8	W	156.1	W	179.1	0.8	0.8	0.1	1.8	-	1.9
March	13.6	13.8	3.9	156.9	17.6	178.4	0.8	0.8	0.1	1.9	-	2.0
April	14.0	14.3	3.9	162.8	17.5	184.2	0.8	0.8	0.1	2.0	-	2.1
May	14.3	14.6	3.9	162.0	16.4	182.3	0.9	0.9	0.1	2.1	-	2.2
June	14.3	14.6	W	165.5	W	184.6	0.9	0.9	0.1	2.1	-	2.2
July	14.6	14.9	W	167.9	W	186.1	0.9	0.9	0.1	2.1	-	2.2
August	14.2	14.5	4.0	163.8	15.5	183.3	0.9	0.9	0.1	2.0	-	2.1
September	14.1	14.4	W	161.3	W	184.5	0.9	0.9	0.1	1.9	-	2.0
October	14.2	14.5	W	162.3	W	180.4	0.9	0.9	0.1	1.8	-	1.9
November	13.9	14.1	W	159.6	W	180.2	0.8	0.8	0.1	1.8	-	1.9
December	14.0	14.2	4.1	159.7	18.9	182.7	0.8	0.8	0.1	1.7	-	1.8
2015	14.0	14.3	3.9	160.7	16.8	181.4	0.8	0.8	0.1	1.9	-	2.0
2016												
January	13.5	13.8	W	153.0	W	172.2	0.8	0.8	0.1	1.7	-	1.8
February	14.0	14.2	W	158.9	W	176.8	0.8	0.9	0.1	1.7	-	1.8
March	14.0	14.2	4.1	161.9	20.0	186.0	0.9	0.9	0.1	1.7	-	1.8
April	14.4	14.6	4.2	164.0	13.5	181.7	0.9	0.9	0.1	1.7	-	1.8
May	14.4	14.6	4.2	163.6	15.4	183.3	0.9	0.9	0.1	1.8	-	1.9
June	14.7	14.9	4.2	168.5	16.4	189.1	0.9	0.9	0.1	1.9	-	2.0
July	14.6	14.8	4.2	167.0	18.9	190.2	0.9	0.9	0.1	1.9	-	2.0
August	14.7	14.9	W	167.8	W	191.0	0.9	0.9	0.1	1.8	-	1.9
September	14.5	14.8	W	164.5	W	186.1	0.9	0.9	0.1	1.7	-	1.8
October	14.4	14.6	4.0	164.4	13.5	181.9	0.9	0.9	0.1	1.7	-	1.8
November	13.4	13.6	W	163.9	W	181.0	0.8	0.8	0.1	1.6	-	1.7
December	13.0	13.2	3.9	162.6	13.3	179.9	0.8	0.8	0.1	1.6	-	1.7

See footnotes at end of table.

Table 9. U.S. refiner conventional motor gasoline volumes by grade and sales type (cont.)
million gallons per day

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	8.5	8.9	16.5	28.0	2.8	47.2	45.8	47.9	62.7	156.0	25.8	244.5
1995	6.2	6.4	7.7	25.1	2.9	35.6	36.2	38.0	32.1	143.8	28.9	204.8
1996	4.9	5.1	5.8	22.5	2.5	30.8	34.7	36.5	28.1	143.8	29.6	201.5
1997	4.8	5.0	5.1	21.9	2.5	29.5	35.4	37.2	25.4	145.6	28.9	199.8
1998	5.5	5.7	4.7	W	2.7	31.9	36.9	38.5	21.8	148.9	31.5	202.2
1999	5.0	5.2	4.3	24.1	3.8	32.2	35.9	37.2	20.8	153.7	28.7	203.3
2000	3.7	3.9	3.1	18.6	2.8	24.5	34.7	35.9	18.2	155.1	26.7	200.0
2001	3.7	3.8	2.8	18.7	2.7	24.1	35.0	36.0	16.7	157.4	26.7	200.7
2002	3.8	4.0	2.6	19.1	3.0	24.7	35.8	36.8	15.5	157.4	34.0	206.9
2003	3.4	3.5	2.1	17.5	2.4	21.9	35.1	36.3	13.6	158.6	34.8	207.0
2004	2.6	2.8	1.6	15.8	1.7	19.2	32.6	33.7	12.3	162.3	37.8	212.4
2005	2.3	2.4	1.4	14.4	1.9	17.7	32.8	33.8	11.0	165.4	38.2	214.6
2006	2.1	2.2	1.1	13.9	1.7	16.6	33.9	35.0	8.8	166.8	39.1	214.7
2007	2.1	2.2	1.1	14.4	2.0	17.4	34.3	35.0	9.0	175.0	44.9	228.9
2008	1.8	1.9	0.9	11.7	1.5	14.2	32.9	33.9	8.4	166.2	41.0	215.6
2009	1.7	1.8	0.9	12.9	1.8	15.6	30.0	31.5	7.8	169.0	37.7	214.5
2010	1.5	1.6	0.8	13.5	1.7	15.9	28.2	29.5	6.9	169.8	38.8	215.5
2011	1.2	1.3	0.7	12.6	1.8	15.1	23.8	25.1	6.2	167.3	28.1	201.6
2012	1.0	1.1	0.7	13.2	2.4	16.2	16.3	17.7	5.8	169.5	24.1	199.4
2013	0.8	0.9	0.8	14.0	2.4	17.2	13.1	14.5	7.1	169.6	21.2	197.9
2014	0.7	0.8	0.7	15.1	2.1	17.9	12.5	14.0	5.1	172.1	18.9	196.2
2015												
January	1.0	1.0	0.7	15.1	1.6	17.4	15.1	15.4	4.5	167.2	18.8	190.5
February	1.0	1.0	W	15.2	W	17.6	15.3	15.6	4.7	173.2	20.7	198.6
March	1.0	1.0	0.7	15.7	1.6	18.0	15.4	15.7	4.7	174.5	19.2	198.4
April	1.1	1.1	0.7	16.8	2.1	19.6	15.9	16.2	4.7	181.6	19.6	205.9
May	1.1	1.1	0.7	17.0	1.8	19.6	16.3	16.6	4.7	181.1	18.3	204.0
June	1.1	1.1	W	17.7	W	19.9	16.3	16.6	4.9	185.2	16.5	206.6
July	1.1	1.2	W	18.3	W	20.5	16.7	17.0	5.0	188.2	15.6	208.8
August	1.1	1.2	0.8	18.1	2.0	20.9	16.2	16.6	4.9	183.9	17.5	206.2
September	1.1	1.2	W	17.6	W	20.2	16.1	16.4	4.7	180.8	21.1	206.7
October	1.1	1.1	W	17.1	W	19.9	16.2	16.5	4.8	181.3	16.1	202.2
November	1.1	1.1	W	16.8	W	19.9	15.8	16.1	4.9	178.2	18.9	202.0
December	1.1	1.1	0.8	16.6	2.3	19.7	15.9	16.2	5.0	178.0	21.2	204.2
2015	1.1	1.1	0.7	16.8	1.8	19.4	15.9	16.2	4.8	179.4	18.6	202.8
2016												
January	1.1	1.1	W	16.0	W	18.6	15.4	15.7	4.8	170.7	17.0	192.5
February	1.1	1.1	W	16.9	W	19.6	15.9	16.2	4.9	177.4	15.8	198.2
March	1.1	1.2	0.8	17.0	2.0	19.9	16.0	16.2	5.0	180.6	22.0	207.7
April	1.2	1.2	0.8	17.6	2.6	21.0	16.4	16.7	5.1	183.3	16.1	204.5
May	1.2	1.2	0.9	18.0	2.2	21.1	16.4	16.7	5.2	183.5	17.7	206.3
June	1.2	1.2	0.9	18.6	2.3	21.8	16.8	17.0	5.2	189.0	18.7	212.9
July	1.2	1.3	0.9	20.9	2.4	24.2	16.8	17.0	5.1	189.8	21.4	216.3
August	1.2	1.2	W	18.9	W	21.4	16.8	17.1	5.2	188.5	20.6	214.4
September	1.2	1.2	W	17.8	W	20.8	16.7	16.9	5.1	184.0	19.6	208.6
October	1.1	1.1	0.8	17.3	2.0	20.0	16.3	16.6	4.9	183.4	15.4	203.8
November	1.0	1.1	W	17.1	W	19.3	15.3	15.5	4.8	182.7	14.6	202.1
December	1.0	1.0	0.8	16.5	2.2	19.5	14.7	14.9	4.8	180.7	15.6	201.1

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. Sales to end users Year month Sales for resale - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding. - The 4th quarter of 1993 was a transitional period between the predecessor EIA-782 survey system and the revised EIA-782 survey system. The revised survey system contains additional product and sales categories, which may not be consistent with categories derived from the predecessor survey system. Beginning January 1994 all data are from the revised survey system and are consistent.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 10. U.S. refiner reformulated motor gasoline prices by grade and sales type
dollars per gallon excluding taxes

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.764	0.758	0.720	0.569	0.543	0.638	0.879	0.873	0.770	0.628	W	0.728
1995	0.749	0.744	0.707	0.605	0.573	0.650	0.836	0.833	0.753	0.651	-	0.723
1996	0.834	0.830	0.788	0.698	0.677	0.738	0.924	0.921	0.837	0.741	W	0.809
1997	0.830	0.828	0.787	0.682	0.668	0.731	0.928	0.925	0.840	0.725	W	0.807
1998	0.668	0.665	0.616	0.509	0.484	0.557	0.769	0.767	0.673	0.553	W	0.638
1999	0.804	0.800	0.752	0.642	0.601	0.686	0.895	0.892	0.807	0.676	NA	0.767
2000	1.126	1.123	1.058	0.978	0.953	1.012	1.219	1.217	1.114	1.014	-	1.085
2001	1.059	1.056	1.001	0.893	0.856	0.938	1.166	1.163	1.061	0.942	-	1.027
2002	0.946	0.944	0.906	0.834	0.779	0.861	1.052	1.050	0.988	0.875	-	0.958
2003	1.196	1.192	1.168	1.006	0.962	1.069	1.293	1.290	1.224	1.047	-	1.165
2004	1.472	1.470	1.447	1.299	1.248	1.353	1.572	1.570	1.494	1.340	-	1.436
2005	1.850	1.848	1.787	1.682	1.619	1.711	1.945	1.944	1.834	1.726	-	1.789
2006	2.166	2.164	2.097	2.002	1.885	2.030	2.275	2.274	2.170	2.078	-	2.129
2007	2.362	2.360	2.288	2.186	2.175	2.221	2.490	2.489	2.368	2.256	-	2.316
2008	2.812	2.810	2.703	2.553	2.642	2.607	2.934	2.934	2.788	2.652	-	2.721
2009	1.927	1.925	1.878	1.770	1.782	1.806	2.066	2.066	1.981	1.855	-	1.914
2010	2.342	2.339	2.265	2.159	2.141	2.188	2.485	2.485	2.362	2.229	-	2.280
2011	3.089	3.085	2.973	2.874	2.831	2.895	3.233	3.233	3.062	2.954	-	2.990
2012	3.219	3.212	3.111	2.956	2.947	2.988	3.372	3.372	3.213	3.047	-	3.098
2013	3.110	3.101	2.948	2.830	2.869	2.856	3.268	3.268	3.066	2.939	-	2.979
2014	2.946	2.938	2.784	2.614	2.663	2.647	3.111	3.111	2.920	2.746	-	2.788
2015												
January	1.748	1.747	1.577	1.348	1.431	1.391	1.958	1.958	1.684	1.461	-	1.515
February	1.955	1.954	1.913	1.650	W	1.697	2.143	2.142	2.081	1.784	-	1.857
March	2.268	2.266	2.266	1.781	1.792	1.869	2.503	2.503	2.377	1.932	-	2.040
April	2.233	2.231	2.224	1.873	1.946	1.938	2.450	2.450	2.386	2.013	-	2.101
May	2.579	2.578	2.703	2.122	2.223	2.227	2.826	2.826	2.865	2.263	-	2.396
June	2.515	2.513	2.502	2.121	W	2.187	2.736	2.736	2.650	2.260	-	2.346
July	2.574	2.572	2.751	2.108	W	2.221	2.862	2.862	2.956	2.279	-	2.418
August	2.414	2.412	2.440	1.826	1.841	1.934	2.701	2.701	2.550	1.990	-	2.106
September	2.059	2.058	2.086	1.576	W	1.666	2.358	2.358	2.211	1.745	-	1.847
October	1.920	1.919	1.931	1.522	W	1.593	2.181	2.181	2.101	1.694	-	1.786
November	1.815	1.814	1.817	1.406	W	1.480	2.057	2.057	1.971	1.572	-	1.663
December	1.744	1.743	1.801	1.358	1.418	1.437	2.011	2.011	2.000	1.544	-	1.652
2015	2.159	2.158	2.174	1.728	1.775	1.807	2.404	2.404	2.321	1.892	-	1.989
2016												
January	1.688	1.687	1.752	1.170	W	1.274	1.981	1.981	1.893	1.341	-	1.468
February	1.450	1.449	1.422	1.019	W	1.090	1.721	1.721	1.564	1.164	-	1.260
March	1.646	1.644	1.728	1.339	1.347	1.407	1.881	1.881	1.918	1.519	-	1.615
April	1.832	1.831	1.845	1.485	1.475	1.548	2.064	2.064	1.985	1.635	-	1.719
May	1.928	1.927	1.864	1.598	1.581	1.642	2.135	2.135	2.011	1.736	-	1.799
June	1.998	1.997	1.929	1.643	1.591	1.688	2.195	2.195	2.090	1.781	-	1.848
July	1.905	1.904	1.834	1.453	1.503	1.519	2.152	2.152	1.955	1.600	-	1.678
August	1.797	1.796	1.677	1.466	W	1.502	2.018	2.018	1.830	1.590	-	1.641
September	1.839	1.838	1.800	1.475	W	1.531	2.076	2.076	1.957	1.611	-	1.687
October	1.869	1.868	1.834	1.536	1.587	1.588	2.112	2.112	2.002	1.682	-	1.754
November	1.830	1.829	1.718	1.400	W	1.456	2.093	2.093	1.842	1.539	-	1.606
December	1.869	1.869	1.723	1.565	1.553	1.592	2.098	2.098	1.885	1.694	-	1.737

See footnotes at end of table.

Table 10. U.S. refiner reformulated motor gasoline prices by grade and sales type (cont.)
dollars per gallon excluding taxes

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average	Through retail outlets	Average[a]	DTW	Rack	Bulk	Average
1994	0.966	0.958	0.861	0.677	0.558	0.777	0.831	0.824	0.771	0.599	0.547	0.687
1995	0.929	0.924	0.841	0.704	0.616	0.785	0.808	0.803	0.756	0.632	0.582	0.696
1996	1.002	0.998	0.910	0.791	0.709	0.859	0.882	0.878	0.828	0.720	0.682	0.774
1997	1.005	1.003	0.910	0.775	0.686	0.853	0.876	0.874	0.825	0.703	0.671	0.767
1998	0.847	0.845	0.741	W	0.516	0.680	0.717	0.714	0.657	0.529	0.489	0.593
1999	0.966	0.963	0.870	0.717	0.639	0.798	0.845	0.841	0.788	0.658	0.608	0.718
2000	1.297	1.291	1.189	1.064	0.972	1.125	1.164	1.160	1.092	0.993	0.957	1.039
2001	1.239	1.234	1.133	0.983	0.890	1.065	1.100	1.096	1.034	0.909	0.859	0.966
2002	1.124	1.119	1.046	0.930	0.832	0.991	0.987	0.985	0.944	0.851	0.785	0.891
2003	1.366	1.362	1.292	1.099	1.028	1.201	1.233	1.229	1.197	1.021	0.969	1.097
2004	1.655	1.652	1.574	1.399	1.348	1.489	1.510	1.507	1.474	1.313	1.257	1.378
2005	2.031	2.029	1.912	1.791	1.766	1.847	1.883	1.881	1.812	1.697	1.635	1.733
2006	2.369	2.367	2.239	2.149	2.004	2.183	2.202	2.200	2.125	2.020	1.906	2.055
2007	2.601	2.599	2.468	2.367	2.346	2.415	2.404	2.402	2.322	2.208	2.192	2.250
2008	3.003	3.001	2.845	2.700	2.826	2.772	2.845	2.843	2.728	2.569	2.659	2.629
2009	2.177	2.174	2.067	1.968	1.899	2.011	1.971	1.969	1.913	1.793	1.791	1.834
2010	2.587	2.584	2.446	2.343	2.247	2.380	2.386	2.383	2.299	2.182	2.150	2.215
2011	3.334	3.331	3.145	3.067	2.940	3.090	3.132	3.128	3.003	2.898	2.837	2.921
2012	3.478	3.473	3.288	3.201	3.175	3.225	3.265	3.259	3.143	2.986	2.961	3.020
2013	3.371	3.365	3.132	3.103	3.071	3.110	3.160	3.152	2.982	2.866	2.882	2.892
2014	3.206	3.202	2.949	2.867	2.642	2.886	3.005	2.996	2.818	2.648	2.661	2.682
2015												
January	2.080	2.080	1.758	1.615	1.486	1.652	1.825	1.824	1.617	1.385	1.435	1.431
February	2.254	2.254	W	1.922	W	1.976	2.023	2.022	1.957	1.688	1.662	1.740
March	2.616	2.615	2.429	2.076	2.124	2.173	2.348	2.346	2.301	1.822	1.817	1.916
April	2.567	2.566	2.420	2.162	2.228	2.231	2.309	2.308	2.267	1.915	1.967	1.984
May	2.954	2.953	2.877	2.429	2.592	2.545	2.664	2.662	2.740	2.166	2.248	2.276
June	2.825	2.825	W	2.450	W	2.513	2.587	2.585	2.544	2.168	2.150	2.237
July	2.947	2.946	W	2.505	W	2.622	2.661	2.660	2.795	2.165	2.208	2.283
August	2.792	2.792	2.612	2.232	2.200	2.329	2.503	2.501	2.477	1.886	1.866	1.996
September	2.472	2.472	W	1.972	W	2.052	2.157	2.155	2.128	1.634	1.645	1.728
October	2.302	2.302	W	1.895	W	1.962	2.008	2.007	1.979	1.577	1.566	1.651
November	2.209	2.209	W	1.765	W	1.836	1.907	1.905	1.864	1.459	1.524	1.537
December	2.162	2.161	2.029	1.725	1.868	1.809	1.841	1.840	1.854	1.412	1.456	1.497
2015	2.516	2.516	2.357	2.066	2.145	2.144	2.242	2.240	2.214	1.777	1.799	1.860
2016												
January	2.126	2.125	W	1.524	W	1.638	1.792	1.790	1.796	1.221	1.307	1.331
February	1.878	1.878	W	1.333	W	1.408	1.554	1.553	1.471	1.066	1.074	1.143
March	2.029	2.028	1.960	1.668	1.712	1.749	1.737	1.736	1.783	1.388	1.377	1.463
April	2.215	2.215	2.064	1.804	1.779	1.873	1.921	1.921	1.895	1.533	1.514	1.601
May	2.293	2.293	2.091	1.915	1.855	1.960	2.012	2.011	1.917	1.645	1.602	1.694
June	2.351	2.351	2.160	1.957	1.992	2.011	2.079	2.078	1.983	1.690	1.619	1.740
July	2.304	2.304	2.045	1.788	1.824	1.856	1.999	1.998	1.884	1.504	1.524	1.574
August	2.172	2.172	W	1.772	W	1.807	1.885	1.885	1.732	1.513	1.479	1.553
September	2.228	2.228	W	1.797	W	1.860	1.931	1.931	1.855	1.523	1.537	1.585
October	2.275	2.275	2.070	1.857	1.892	1.914	1.963	1.962	1.890	1.584	1.612	1.641
November	2.257	2.257	W	R1.723	W	R1.780	1.929	1.928	1.770	1.448	1.505	R1.509
December	2.263	2.263	1.968	1.864	1.796	1.890	1.959	1.958	1.781	1.609	1.581	1.640

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 11. U.S. refiner reformulated motor gasoline volumes by grade and sales type
million gallons per day

Year month	Regular						Midgrade					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	0.6	0.6	2.1	1.6	0.6	4.3	0.2	0.2	0.7	0.3	W	1.0
1995	7.8	8.1	20.7	W	W	43.3	3.0	3.1	7.4	3.1	-	10.5
1996	10.7	11.1	26.1	20.5	8.0	54.6	3.3	3.4	7.9	3.3	W	11.3
1997	13.4	13.8	28.0	21.7	7.6	57.3	3.6	3.7	7.9	3.1	W	11.0
1998	14.3	14.5	28.6	23.0	8.3	59.9	3.7	3.8	7.4	3.1	W	10.5
1999	14.5	14.8	29.8	26.1	9.6	65.5	3.6	3.7	7.0	3.1	NA	10.2
2000	15.5	15.9	32.1	29.1	8.5	69.6	3.3	3.4	6.2	2.6	-	8.8
2001	16.3	16.7	32.7	30.0	9.0	71.7	3.3	3.3	5.7	2.2	-	7.9
2002	16.9	17.2	33.1	30.4	8.2	71.7	3.3	3.3	5.6	2.1	-	7.6
2003	17.7	18.0	30.9	35.1	7.6	73.6	3.1	3.1	4.1	2.0	-	6.1
2004	16.2	16.5	29.5	39.7	6.1	75.3	2.6	2.6	3.3	2.0	-	5.2
2005	17.1	17.4	27.5	43.5	9.5	80.4	2.6	2.6	2.5	1.8	-	4.2
2006	17.7	18.0	26.8	45.7	3.4	75.9	2.5	2.5	1.9	1.5	-	3.4
2007	17.4	17.6	26.7	45.4	3.8	75.9	2.4	2.4	1.6	1.3	-	2.9
2008	16.6	16.9	25.4	48.1	4.2	77.7	2.0	2.0	1.1	1.1	-	2.2
2009	14.0	14.3	25.8	49.8	3.4	79.0	1.7	1.7	1.0	1.1	-	2.1
2010	11.7	11.9	23.1	54.5	4.2	81.9	1.3	1.3	0.7	1.2	-	1.9
2011	10.8	11.1	19.5	57.6	4.2	81.3	1.2	1.2	0.5	1.1	-	1.6
2012	9.2	9.5	17.4	60.3	4.0	81.7	1.0	1.0	0.5	1.0	-	1.5
2013	7.6	7.9	16.5	59.3	3.5	79.3	0.9	0.9	0.4	1.0	-	1.4
2014	5.5	5.7	14.6	62.0	2.1	78.8	0.7	0.7	0.3	0.9	-	1.2
2015												
January	6.5	6.5	13.5	60.6	2.2	76.3	0.9	0.9	0.2	0.8	-	1.0
February	6.7	6.7	W	62.3	W	78.6	0.9	0.9	0.3	0.8	-	1.1
March	6.7	6.7	14.4	62.2	2.8	79.5	0.9	0.9	0.3	0.8	-	1.1
April	6.7	6.8	14.3	63.3	3.2	80.8	0.9	0.9	0.3	0.8	-	1.1
May	6.9	6.9	14.1	63.6	2.8	80.6	0.9	0.9	0.2	0.9	-	1.1
June	7.0	7.0	W	65.5	W	82.6	0.9	0.9	0.2	0.9	-	1.1
July	6.9	6.9	W	64.3	W	80.9	0.9	0.9	0.2	0.9	-	1.1
August	7.0	7.0	14.3	64.7	3.0	81.9	0.9	0.9	0.2	0.9	-	1.2
September	6.9	6.9	W	63.8	W	81.0	0.9	0.9	0.2	0.8	-	1.1
October	6.9	7.0	W	64.8	W	81.6	0.9	0.9	0.2	0.8	-	1.0
November	6.6	6.6	W	63.2	W	80.4	0.9	0.9	0.2	0.8	-	1.0
December	6.6	6.6	13.8	63.2	3.0	79.9	0.9	0.9	0.2	0.8	-	1.0
2015	6.8	6.8	14.1	63.5	2.8	80.3	0.9	0.9	0.2	0.8	-	1.1
2016												
January	6.4	6.4	W	61.4	W	77.6	0.9	0.9	0.2	0.7	-	1.0
February	6.5	6.5	W	63.5	W	80.2	0.9	0.9	0.2	0.7	-	1.0
March	6.5	6.5	14.0	62.9	3.1	80.1	0.9	0.9	0.2	0.7	-	1.0
April	6.7	6.7	14.2	64.7	2.5	81.4	0.9	0.9	0.2	0.8	-	1.0
May	6.7	6.8	14.1	64.9	3.7	82.7	1.0	1.0	0.2	0.8	-	1.0
June	7.0	7.0	14.0	67.0	4.0	85.0	1.0	1.0	0.2	0.8	-	1.1
July	6.8	6.8	13.8	65.2	3.7	82.8	1.0	1.0	0.2	0.8	-	1.1
August	6.8	6.8	W	66.1	W	83.2	1.0	1.0	0.2	0.8	-	1.1
September	6.9	6.9	W	65.4	W	82.5	1.0	1.0	0.2	0.8	-	1.0
October	6.8	6.8	13.7	65.2	2.7	81.7	1.0	1.0	0.2	0.7	-	0.9
November	6.6	6.6	W	R64.4	W	R81.2	0.9	0.9	0.2	0.7	-	0.9
December	6.7	6.7	13.7	64.6	2.6	80.9	0.9	0.9	0.2	0.7	-	0.9

See footnotes at end of table.

Table 11. U.S. refiner reformulated motor gasoline volumes by grade and sales type (cont.)
million gallons per day

Year month	Premium						All grades					
	Sales to end users		Sales for resale				Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total	Through retail outlets	Total[a]	DTW	Rack	Bulk	Total
1994	0.2	0.2	1.2	0.5	0.2	1.9	1.0	1.0	4.0	2.4	0.8	7.2
1995	3.1	3.2	12.0	W	W	18.9	14.0	14.4	40.1	25.9	6.6	72.6
1996	3.1	3.2	11.7	5.3	1.5	18.6	17.0	17.6	45.7	29.2	9.6	84.5
1997	3.4	3.5	11.5	5.3	1.5	18.2	20.3	21.0	47.4	30.1	9.1	86.6
1998	3.8	3.9	12.2	W	1.6	19.8	21.8	22.2	48.2	32.0	9.9	90.1
1999	3.4	3.5	11.4	6.3	1.9	19.6	21.5	22.0	48.2	35.6	11.5	95.2
2000	3.0	3.1	9.6	5.4	1.9	16.8	21.9	22.4	47.9	37.0	10.4	95.2
2001	3.2	3.2	9.2	5.4	1.1	15.7	22.7	23.3	47.7	37.6	10.0	95.3
2002	3.4	3.5	9.5	5.6	1.1	16.3	23.6	24.1	48.2	38.0	9.3	95.6
2003	3.5	3.6	8.5	5.9	1.0	15.3	24.2	24.7	43.5	43.0	8.6	95.1
2004	3.1	3.1	7.4	6.0	0.6	14.1	21.9	22.3	40.2	47.7	6.7	94.6
2005	2.8	2.8	6.5	6.0	1.2	13.6	22.6	22.9	36.4	51.2	10.6	98.3
2006	2.7	2.7	5.9	5.9	0.7	12.5	22.9	23.2	34.6	53.1	4.1	91.8
2007	2.6	2.7	5.8	5.9	0.4	12.1	22.4	22.7	34.0	52.6	4.3	90.9
2008	2.4	2.4	5.0	5.4	0.4	10.8	21.0	21.3	31.5	54.6	4.6	90.8
2009	2.3	2.3	5.3	6.1	0.3	11.8	17.9	18.3	32.1	57.1	3.7	92.9
2010	1.9	1.9	4.9	7.4	0.4	12.7	14.9	15.2	28.8	63.1	4.7	96.5
2011	1.7	1.7	3.9	7.7	0.2	11.8	13.7	13.9	23.9	66.4	4.4	94.7
2012	1.5	1.5	3.5	8.4	0.3	12.1	11.7	12.0	21.4	69.7	4.3	95.4
2013	1.4	1.4	3.5	8.7	0.2	12.4	9.9	10.2	20.5	69.0	3.7	93.1
2014	1.2	1.2	3.5	9.4	0.2	13.0	7.5	7.7	18.4	72.3	2.3	93.0
2015												
January	1.5	1.5	3.7	9.7	0.2	13.5	8.8	8.8	17.5	71.0	2.4	90.8
February	1.5	1.5	W	9.8	W	13.7	9.0	9.1	18.2	73.0	2.3	93.4
March	1.5	1.5	3.7	9.8	0.2	13.8	9.1	9.1	18.4	72.9	3.1	94.3
April	1.5	1.5	3.8	10.4	0.3	14.4	9.1	9.2	18.4	74.5	3.4	96.4
May	1.5	1.5	3.6	10.5	0.2	14.3	9.3	9.3	18.0	74.9	3.1	96.0
June	1.5	1.5	W	10.6	W	14.6	9.4	9.5	18.3	76.9	3.1	98.3
July	1.5	1.5	W	10.5	W	14.2	9.3	9.3	17.8	75.6	2.9	96.3
August	1.5	1.5	3.8	10.7	0.2	14.8	9.4	9.4	18.3	76.3	3.2	97.9
September	1.5	1.5	W	10.8	W	14.9	9.3	9.4	18.2	75.5	3.3	97.0
October	1.5	1.5	W	10.9	W	15.0	9.4	9.4	18.2	76.5	2.9	97.6
November	1.5	1.5	W	10.7	W	14.8	9.0	9.1	17.8	74.7	3.7	96.2
December	1.5	1.5	4.0	10.6	0.3	14.8	9.0	9.1	18.0	74.6	3.2	95.8
2015	1.5	1.5	3.8	10.4	0.2	14.4	9.2	9.2	18.1	74.7	3.0	95.8
2016												
January	1.5	1.5	W	10.1	W	14.2	8.7	8.7	17.3	72.2	3.2	92.8
February	1.6	1.6	W	10.9	W	15.6	9.0	9.0	18.4	75.1	3.3	96.8
March	1.6	1.6	4.1	10.7	0.3	15.1	9.0	9.0	18.4	74.3	3.4	96.2
April	1.6	1.6	4.1	11.0	0.4	15.5	9.2	9.2	18.6	76.5	2.9	98.0
May	1.6	1.6	4.2	11.2	0.3	15.7	9.3	9.3	18.5	77.0	4.0	99.5
June	1.6	1.6	4.1	11.5	0.3	15.9	9.6	9.7	18.4	79.3	4.3	102.0
July	1.6	1.6	4.1	11.4	0.3	15.8	9.3	9.4	18.2	77.5	4.0	99.7
August	1.6	1.6	W	11.6	W	16.2	9.4	9.5	18.7	78.6	3.1	100.4
September	1.7	1.7	W	11.3	W	15.7	9.5	9.5	18.3	77.5	3.3	99.2
October	1.6	1.6	4.1	11.1	0.2	15.5	9.3	9.3	18.0	77.1	3.0	98.1
November	1.5	1.5	W	11.1	W	R15.4	9.1	9.1	17.7	R76.2	3.6	R97.5
December	1.5	1.5	4.1	11.0	0.3	15.4	9.2	9.2	18.0	76.3	2.9	97.2

NA = Not available.

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 16. U.S. refiner residual fuel oil prices

dollars per gallon excluding taxes

Year month	Sulfur less than or equal to 1%		Sulfur greater than 1%		Average	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
1985	0.644	0.610	0.582	0.560	0.610	0.577
1986	0.372	0.328	0.317	0.289	0.343	0.305
1987	0.447	0.412	0.396	0.362	0.423	0.385
1988	0.372	0.333	0.300	0.271	0.334	0.300
1989	0.436	0.407	0.344	0.331	0.385	0.360
1990	0.505	0.472	0.400	0.372	0.444	0.413
1991	0.402	0.364	0.306	0.292	0.340	0.314
1992	0.389	0.351	0.312	0.286	0.336	0.308
1993	0.397	0.337	0.303	0.256	0.337	0.293
1994	0.401	0.345	0.330	0.287	0.352	0.317
1995	0.436	0.383	0.377	0.338	0.392	0.363
1996	0.526	0.456	0.433	0.389	0.455	0.420
1997	0.488	0.415	0.403	0.366	0.423	0.387
1998	0.354	0.299	0.287	0.269	0.305	0.280
1999	0.405	0.382	0.362	0.329	0.374	0.354
2000	0.708	0.627	0.566	0.512	0.602	0.566
2001	0.642	0.523	0.492	0.428	0.531	0.476
2002	0.640	0.546	0.544	0.508	0.569	0.530
2003	0.804	0.728	0.651	0.588	0.698	0.661
2004	0.835	0.764	0.692	0.601	0.739	0.681
2005	1.168	1.115	0.974	0.842	1.048	0.971
2006	1.342	1.202	1.173	1.085	1.218	1.136
2007	1.436	1.406	1.350	1.314	1.374	1.350
2008	2.144	1.918	1.889	1.843	1.964	1.866
2009	1.413	1.337	1.306	1.344	1.341	1.342
2010	1.920	1.756	1.619	1.679	1.713	1.697
2011	2.736	2.389	2.257	2.316	2.401	2.336
2012	3.025	2.548	2.433	2.429	2.592	2.457
2013	2.883	2.363	2.353	2.249	2.482	2.278
2014	2.694	2.153	2.221	1.996	2.325	2.044
2015						
January	NA	0.936	1.192	1.038	1.264	1.023
February	NA	1.150	1.342	1.124	1.376	1.126
March	NA	1.093	1.436	1.131	1.465	1.126
April	1.704	1.124	1.465	1.114	1.516	1.114
May	NA	1.198	1.443	1.242	1.543	1.234
June	W	1.175	1.474	1.239	1.549	1.233
July	W	1.080	1.245	1.130	1.363	1.122
August	W	0.797	1.150	0.928	1.207	0.918
September	W	0.819	1.063	0.856	1.107	0.852
October	NA	0.812	1.041	0.840	1.094	0.836
November	W	0.766	1.001	0.791	1.043	0.787
December	W	0.552	0.861	0.639	0.919	0.633
2015	1.529	0.971	1.227	0.999	1.285	0.996
2016						
January	W	0.477	0.641	0.502	0.710	0.499
February	NA	0.475	0.606	0.508	0.632	0.504
March	NA	0.582	0.672	0.555	0.693	0.558
April	W	0.633	0.734	0.614	0.782	0.616
May	W	0.729	0.868	0.722	0.922	0.723
June	W	0.850	0.911	0.823	0.983	0.825
July	W	0.876	0.948	0.834	1.030	0.835
August	W	0.842	0.924	0.811	0.990	0.815
September	W	0.846	1.059	0.855	1.076	0.854
October	W	0.961	1.091	0.935	1.115	0.938
November	NA	0.920	1.040	0.907	R1.106	0.908
December	W	1.024	1.204	1.031	1.229	1.030

NA = Not available.

R = Revised data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 17. U.S. refiner residual fuel oil volumes

million gallons per day

Year month	Sulfur less than or equal to 1%		Sulfur greater than 1%		Total	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
1985	11.4	7.0	13.8	12.9	25.2	19.9
1986	15.2	7.9	16.4	10.7	31.6	18.6
1987	15.1	7.8	13.9	9.1	29.0	16.9
1988	14.2	8.7	15.9	10.3	30.2	18.9
1989	13.4	7.9	17.0	13.1	30.4	21.0
1990	11.1	7.4	14.9	10.5	25.9	17.9
1991	8.6	5.6	15.5	12.2	24.0	17.8
1992	7.1	5.2	15.3	10.0	22.4	15.2
1993	6.2	5.7	11.1	6.9	17.2	12.6
1994	4.2	6.6	9.3	6.2	13.5	12.8
1995	2.9	7.7	8.7	5.9	11.6	13.6
1996	3.1	6.3	9.8	7.4	12.9	13.8
1997	3.2	4.8	10.3	6.7	13.4	11.5
1998	3.9	5.7	10.5	9.6	14.4	15.4
1999	3.9	5.3	10.0	6.2	13.9	11.5
2000	3.3	4.9	9.8	5.6	13.1	10.5
2001	3.8	5.2	11.0	5.1	14.8	10.3
2002	2.7	5.1	7.8	3.7	10.4	8.8
2003	3.3	3.5	7.4	3.2	10.7	6.7
2004	3.4	2.9	6.8	3.0	10.2	5.9
2005	4.0	2.2	6.4	2.5	10.4	4.7
2006	2.8	2.8	7.6	3.6	10.4	6.5
2007	3.1	3.2	7.8	5.0	10.9	8.2
2008	2.5	2.9	5.9	6.6	8.4	9.5
2009	2.8	2.9	5.7	6.9	8.5	9.8
2010	2.4	2.6	5.2	8.1	7.6	10.7
2011	1.9	3.4	4.5	8.8	6.4	12.2
2012	1.5	2.1	4.0	6.8	5.5	8.8
2013	1.3	2.3	3.9	6.7	5.2	9.0
2014	1.0	2.4	3.6	5.6	4.6	8.0
2015						
January	NA	1.0	3.1	5.5	3.6	6.5
February	NA	0.7	3.1	7.0	3.7	7.7
March	NA	1.0	3.2	6.8	3.5	7.8
April	1.0	0.6	3.6	7.0	4.6	7.6
May	NA	1.4	3.0	6.6	3.9	8.0
June	W	0.9	W	8.0	4.6	8.9
July	W	1.2	W	7.1	3.6	8.3
August	W	0.7	W	8.4	4.3	9.1
September	W	0.9	W	7.2	4.5	8.1
October	NA	1.2	2.9	7.0	3.7	8.2
November	W	1.2	W	6.8	4.4	8.0
December	W	0.6	W	8.3	4.0	8.9
2015	0.8	0.9	3.3	7.1	4.0	8.1
2016						
January	W	1.0	W	8.3	4.1	9.3
February	NA	1.2	3.4	8.2	3.9	9.3
March	NA	0.7	3.3	8.5	4.1	9.2
April	W	1.2	W	7.8	4.2	9.0
May	W	1.3	W	8.6	3.9	9.9
June	W	0.6	W	8.3	3.8	8.9
July	W	0.3	W	7.4	4.3	7.6
August	W	0.9	W	7.2	4.4	8.1
September	W	0.5	W	7.4	4.7	7.9
October	W	1.0	W	6.1	4.4	7.1
November	NA	0.7	3.1	6.5	R4.0	7.2
December	W	0.6	W	7.0	4.3	7.6

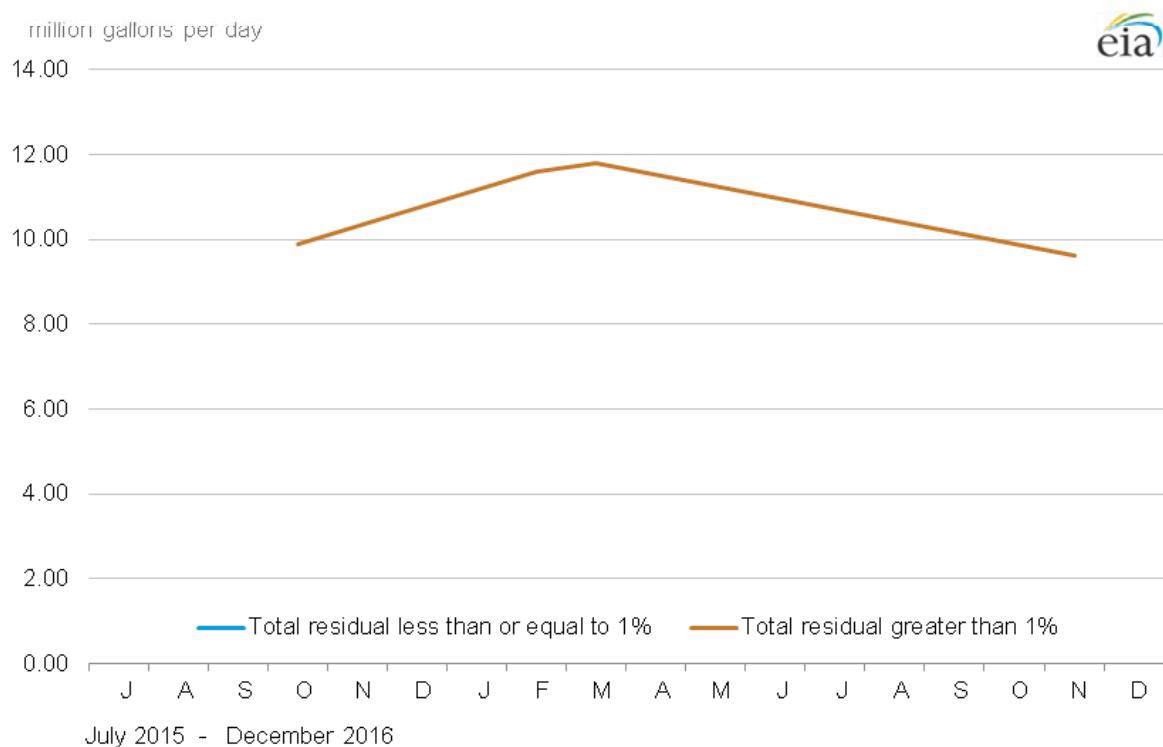
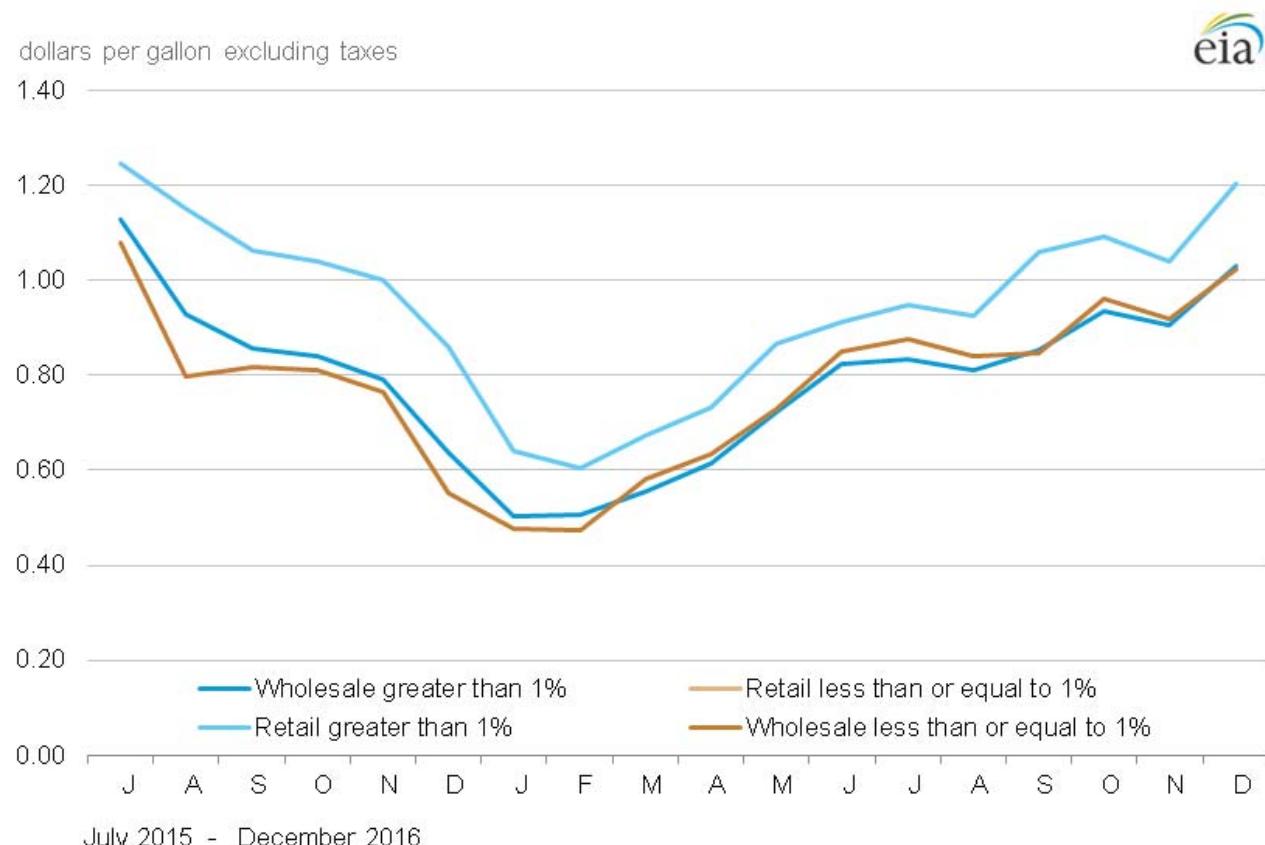
NA = Not available.

R = Revised data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2015 are final. Totals may not equal the sum of the components due to rounding.
 Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

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Figure 7. U.S. Refiner residual fuel oil prices and volumes



Source: U.S. Energy Information Administration, Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Crude Oil Prices

Table 18. Domestic crude oil first purchase prices

dollars per barrel

Year month	U.S. Average		PAD District 1					PAD District 2					
	U.S. Average	Less AK North Slope	Average	NY	PA	WV	Average	IL	IN	KS	KY	MI	NE
1996	18.46	19.41	20.82	20.95	20.99	19.59	20.33	20.86	20.67	20.47	20.24	20.32	19.57
1997	17.23	17.92	19.25	18.49	18.79	17.56	18.60	19.11	18.73	18.63	17.97	18.75	18.10
1998	10.87	11.51	13.21	13.66	13.67	11.95	12.29	12.78	12.49	12.19	11.67	12.39	11.50
1999	15.56	16.38	17.36	18.65	18.49	16.46	17.27	17.37	17.31	17.08	16.68	16.63	17.21
2000	26.72	27.48	28.12	28.78	28.80	27.12	28.49	28.14	27.91	28.16	26.47	28.12	27.97
2001	21.84	22.77	23.98	24.19	24.82	22.35	23.95	23.76	23.46	23.56	22.53	22.69	23.67
2002	22.51	23.33	23.94	24.28	24.86	22.55	24.05	23.84	23.43	23.61	22.49	23.68	23.62
2003	27.56	28.47	29.12	28.91	29.60	28.06	29.24	29.10	28.38	28.68	27.21	29.18	28.63
2004	36.77	37.63	39.08	39.40	39.48	38.38	39.40	38.74	38.18	39.18	36.82	39.14	38.42
2005	50.28	51.02	53.84	54.64	54.57	53.75	53.33	51.20	51.02	53.41	49.45	53.67	52.38
2006	59.69	60.22	63.99	63.51	64.02	63.07	60.48	59.70	59.31	60.74	58.33	60.89	57.77
2007	66.52	67.04	69.00	69.46	70.00	67.27	67.16	65.66	65.47	66.85	63.60	66.87	62.78
2008	94.04	94.72	96.60	W	96.76	95.07	92.51	93.48	91.92	92.08	90.87	95.75	87.99
2009	56.35	56.65	56.56	W	56.96	55.77	55.00	55.47	55.65	54.41	55.24	56.39	50.93
2010	74.71	75.04	71.74	W	69.80	70.74	72.45	73.18	72.82	72.43	70.63	74.91	69.65
2011	95.73	95.35	90.77	W	87.16	86.56	89.38	88.73	88.15	88.52	86.00	92.40	85.48
2012	94.52	94.11	91.19	W	88.41	87.16	86.29	88.74	88.62	87.85	87.02	90.91	84.95
2013	95.99	96.00	92.45	W	89.84	91.26	91.64	92.94	93.04	91.85	91.17	96.50	87.44
2014													
January	89.57	89.27	85.56	W	83.51	86.00	85.76	89.79	89.86	88.75	87.16	89.57	84.18
February	96.86	96.97	90.65	W	88.00	90.49	93.29	95.21	95.21	94.37	93.44	95.64	90.17
March	96.17	96.26	91.27	W	88.18	92.82	93.16	95.47	95.30	94.68	93.75	95.89	90.36
April	96.49	96.48	92.78	W	90.17	94.27	94.63	96.92	96.79	96.29	96.64	97.58	91.86
May	95.74	95.72	91.77	W	89.00	93.68	94.76	96.72	96.49	95.97	96.18	98.68	91.55
June	98.68	98.59	94.27	W	91.68	95.21	98.00	99.93	99.69	99.36	99.54	101.89	94.73
July	96.70	96.77	91.60	W	90.15	91.20	94.75	97.44	97.30	96.62	97.26	99.22	91.99
August	90.72	90.77	84.77	W	83.77	82.62	89.38	91.31	91.16	90.11	91.25	93.22	85.04
September	86.87	86.85	83.88	W	84.48	80.07	85.00	88.14	98.27	86.91	87.89	W	82.14
October	78.84	79.07	73.01	W	72.24	71.17	77.41	79.71	79.78	78.52	79.88	82.59	73.64
November	71.07	71.35	63.42	W	62.53	61.32	68.91	70.82	71.09	69.73	71.34	72.02	64.88
December	54.86	55.38	46.03	W	45.31	43.91	52.09	54.33	54.75	53.36	55.13	54.69	49.51
2014	87.39	87.45	82.20	W	80.07	82.46	85.01	87.66	87.88	86.80	86.61	89.46	82.82
2015													
January	43.06	43.29	34.35	W	34.07	31.81	39.72	43.37	43.57	42.18	44.25	43.18	38.30
February	44.35	44.43	35.46	W	33.87	34.44	43.00	45.66	46.08	44.92	46.88	46.33	41.18
March	42.66	42.80	32.49	W	32.20	29.57	40.24	42.66	43.09	41.66	44.06	43.11	38.20
April	49.30	49.38	41.47	W	41.19	38.14	46.97	48.82	49.38	47.70	50.15	50.41	44.71
May	54.38	54.53	46.58	W	46.03	43.75	52.11	54.24	54.59	53.13	55.24	55.42	50.24
June	55.88	56.01	47.23	W	46.95	43.82	53.90	54.61	54.85	53.73	55.60	55.79	50.61
July	47.70	47.82	41.03	W	44.50	35.77	45.74	46.54	47.46	45.51	48.28	47.60	42.47
August	39.98	40.20	32.48	W	37.82	26.62	36.70	38.46	39.13	37.48	39.95	39.52	34.32
September	41.60	41.74	36.31	W	40.28	31.95	38.93	40.64	40.93	39.76	41.82	42.12	36.84
October	42.34	42.57	36.90	W	40.71	32.17	40.57	41.77	42.20	40.83	42.81	44.19	37.90
November	38.19	38.45	32.96	W	36.09	30.23	37.49	38.21	38.62	37.34	39.16	40.68	34.62
December	32.26	32.62	27.45	W	31.65	24.17	31.45	32.94	33.41	31.78	33.71	35.69	29.31
2015	44.39	44.58	37.65	W	38.98	33.72	42.44	43.97	44.51	43.16	45.38	45.38	40.10
2016													
January	27.02	27.39	22.06	W	26.37	18.94	25.85	27.90	28.47	26.72	28.80	29.56	24.26
February	25.51	25.83	20.70	W	25.27	17.38	24.06	26.12	26.31	25.19	27.73	28.35	22.83
March	31.87	32.13	29.80	W	33.03	25.64	31.44	33.25	33.18	32.64	34.18	35.43	30.58
April	35.59	35.82	29.39	W	35.93	23.80	35.19	36.49	36.50	35.45	37.23	41.33	33.70
May	41.02	41.24	38.97	W	40.70	36.44	40.73	42.30	42.16	41.46	42.89	47.05	39.61
June	43.96	44.35	40.49	W	43.94	35.98	43.70	44.18	44.26	43.44	45.44	49.20	41.46
July	40.70	41.16	37.24	W	40.58	34.34	40.32	40.71	40.99	39.88	41.45	45.11	38.24
August	40.46	40.83	37.38	W	40.51	34.14	39.68	40.75	40.82	39.77	41.53	45.16	38.28
September	40.54	40.91	38.06	W	40.67	35.49	39.85	40.78	40.85	39.85	41.73	45.59	38.34
October	45.00	45.39	42.20	W	45.20	37.98	44.99	45.37	45.27	44.72	46.70	50.39	43.19
November	41.65	42.01	39.46	W	41.44	37.01	40.79	43.90	45.23	40.53	43.30	46.20	38.97
December	47.12	47.40	45.03	W	47.19	42.26	46.59	44.05	42.34	46.73	47.22	52.57	45.28
2016	38.29	38.63	34.88	W	38.50	31.11	37.62	38.85	38.97	37.87	39.95	43.07	36.22

See footnotes at end of table.

Table 18. Domestic crude oil first purchase prices (cont.)

dollars per barrel

Year month	PAD District 2 (cont.)					PAD District 3					Federal	
	ND	OH	OK	SD	Average	AL	AR	LA	MS	NM	TX	Offshore Gulf
1996	19.46	19.96	20.60	19.56	20.29	20.24	18.67	20.88	18.95	20.79	20.31	20.03
1997	17.63	17.77	19.05	17.80	18.69	18.58	17.58	19.22	16.94	19.02	18.66	18.63
1998	11.39	12.20	12.73	12.29	12.19	12.08	11.10	12.59	10.33	12.36	12.28	12.03
1999	16.70	16.41	17.77	16.86	17.07	16.71	15.89	17.73	15.42	17.46	17.29	16.66
2000	28.19	27.49	29.08	28.18	28.22	27.63	26.98	29.03	26.23	28.80	28.60	27.59
2001	23.55	22.55	24.68	23.89	23.43	23.18	21.82	24.51	21.13	23.72	23.41	23.29
2002	24.15	22.61	24.49	23.96	23.74	23.39	21.50	24.84	22.11	24.11	23.77	23.49
2003	29.27	28.18	29.72	28.94	29.08	28.97	26.57	30.52	27.46	29.52	29.13	28.72
2004	39.30	38.27	39.95	38.40	38.41	38.79	36.67	40.48	37.03	39.25	38.79	37.07
2005	52.38	53.47	54.46	50.65	51.96	53.26	50.86	54.05	49.58	52.84	52.61	49.78
2006	56.69	62.89	63.11	51.85	61.49	63.16	58.67	64.23	59.35	61.74	61.31	60.80
2007	65.30	68.09	69.31	62.78	68.37	71.10	64.25	71.63	68.65	68.94	68.30	67.40
2008	88.68	96.43	96.15	87.42	97.64	96.71	90.91	100.89	94.60	96.23	96.85	99.10
2009	53.75	56.35	56.56	50.75	57.77	55.25	53.07	59.18	58.29	57.08	57.40	58.22
2010	70.26	73.68	75.18	69.04	76.57	75.54	71.01	78.25	76.41	75.64	76.23	77.06
2011	88.74	90.79	90.94	87.08	96.79	105.99	87.61	106.20	100.43	90.93	91.99	105.65
2012	84.06	92.87	89.97	83.10	96.11	104.81	89.39	105.97	100.80	88.01	92.50	105.95
2013	90.22	94.89	94.25	89.28	97.53	103.10	92.98	105.18	100.44	92.13	95.80	103.29
2014												
January	82.70	87.36	90.81	81.51	90.01	91.34	87.75	96.45	93.23	88.63	90.40	88.11
February	91.68	92.40	96.40	93.89	98.39	100.04	93.65	104.87	100.34	94.46	97.40	101.81
March	91.17	92.98	96.84	91.94	97.28	98.14	93.95	103.28	99.65	93.08	95.89	102.01
April	92.37	94.51	98.82	91.33	97.06	98.94	95.22	103.94	100.05	91.43	95.94	101.18
May	92.94	93.38	98.35	93.45	95.82	96.61	94.23	102.29	98.83	91.17	94.73	99.36
June	96.25	96.37	101.72	94.85	98.81	100.41	97.38	105.47	102.32	94.79	98.16	100.91
July	92.51	94.04	99.24	91.92	97.80	98.27	94.89	103.37	100.18	93.94	96.56	101.65
August	87.66	87.34	93.47	84.71	91.58	94.24	88.51	98.16	94.87	84.42	89.39	99.17
September	83.45	83.18	87.84	82.12	87.90	90.81	81.31	94.32	92.08	79.82	86.16	94.35
October	75.64	74.96	81.46	74.04	80.38	81.96	77.39	85.19	83.26	74.10	78.30	87.47
November	67.26	65.53	72.83	67.23	72.81	72.51	69.25	76.53	74.68	67.32	70.46	80.98
December	50.51	48.78	55.81	50.41	57.41	57.12	52.58	59.36	56.88	54.25	54.69	66.27
2014	82.89	83.95	89.25	82.78	88.43	89.73	85.23	94.13	90.81	83.44	87.02	93.33
2015												
January	37.52	35.42	44.36	40.04	45.23	43.24	41.41	46.64	45.21	42.63	43.43	51.57
February	41.31	37.20	46.94	43.61	45.21	44.00	44.57	48.92	47.49	44.37	44.66	46.61
March	38.77	35.31	43.46	40.76	43.81	42.51	41.94	47.36	45.47	42.11	42.89	47.12
April	46.08	43.94	48.92	47.04	50.57	50.89	48.45	54.91	52.88	48.19	49.82	53.23
May	51.08	49.23	54.44	52.23	55.68	55.46	53.46	60.12	57.81	53.98	55.21	57.33
June	53.41	50.76	55.42	53.48	57.16	56.38	53.36	60.99	58.57	54.77	56.15	61.02
July	45.21	40.56	47.69	46.21	48.71	47.89	45.71	51.52	49.06	47.29	48.15	50.43
August	35.67	31.73	39.49	38.09	41.64	39.82	36.99	43.09	40.60	39.98	40.16	46.21
September	37.78	34.90	41.67	39.64	42.96	41.98	39.71	45.53	43.02	43.03	42.99	42.66
October	39.78	36.27	42.64	41.03	43.61	42.06	40.64	45.90	43.44	43.81	43.55	43.54
November	36.98	32.98	39.16	37.89	39.06	36.51	36.89	40.77	38.54	38.63	38.79	39.94
December	30.67	28.21	33.16	30.46	33.23	32.08	31.50	34.77	32.79	31.98	32.36	35.88
2015	41.42	38.40	44.96	42.73	45.61	44.55	43.04	48.43	46.81	44.40	44.95	47.67
2016												
January	24.80	22.66	27.84	24.32	28.15	26.95	26.11	29.50	27.69	27.36	27.36	30.54
February	22.72	22.22	26.40	23.34	26.56	25.39	24.66	28.10	26.13	26.48	26.47	26.75
March	30.35	30.64	33.09	30.56	32.38	31.96	32.30	34.98	33.13	32.83	33.01	30.14
April	34.54	31.45	36.45	33.60	36.19	35.79	35.07	38.81	36.78	36.06	36.56	34.99
May	39.47	40.19	42.71	39.60	41.52	41.58	40.80	44.53	42.52	42.04	42.52	38.48
June	42.80	43.41	45.33	42.48	44.94	44.90	42.75	47.30	44.78	44.91	45.35	43.64
July	39.58	39.59	41.80	38.72	41.82	40.79	38.99	43.21	41.16	41.17	41.62	42.54
August	38.53	39.24	41.63	38.66	41.39	40.46	38.81	43.00	40.94	41.07	41.44	41.29
September	38.70	39.89	41.71	38.86	41.39	40.57	38.80	43.07	41.03	41.23	41.55	40.94
October	44.37	44.81	46.07	44.24	45.62	45.51	43.45	48.11	45.89	45.79	46.19	43.98
November	39.67	40.92	42.53	39.86	42.68	41.27	39.26	44.38	41.79	42.25	42.49	43.22
December	45.32	46.90	48.94	45.75	47.74	47.18	45.97	49.97	47.59	48.74	48.76	44.96
2016	36.51	37.04	39.51	36.39	39.18	38.53	37.21	41.08	39.18	39.07	39.35	38.63

See footnotes at end of table.

Table 18. Domestic crude oil first purchase prices (cont.)

dollars per barrel

Year month	PAD District 4					PAD District 5				Federal Offshore CA	
	Average	CO	MT	UT	WY	Average	AK North Slope	AK Other	CA		
1996	19.85	20.47	18.89	21.10	19.56	15.73	15.32	18.43	16.72	13.82	
1997	17.80	19.03	17.00	18.57	17.41	15.06	14.84	17.43	15.78	12.97	
1998	11.38	12.56	11.28	12.52	10.70	8.80	8.47	11.55	9.55	6.99	
1999	16.79	17.37	16.54	17.69	16.47	13.10	12.46	17.44	14.08	11.78	
2000	27.60	28.85	27.82	28.53	26.89	24.16	23.62	28.23	24.82	23.32	
2001	22.73	24.82	23.16	24.09	21.55	19.03	18.18	23.30	20.11	18.38	
2002	23.01	25.29	22.76	23.87	21.96	20.39	19.37	24.47	21.87	19.03	
2003	28.09	30.71	28.66	28.88	26.63	24.97	23.78	28.48	26.43	24.25	
2004	37.34	40.38	38.53	39.35	35.10	33.69	33.03	38.76	34.47	32.23	
2005	50.65	55.34	52.66	53.98	45.63	47.03	47.05	54.19	47.08	43.48	
2006	57.38	63.80	56.69	59.70	53.25	57.03	56.86	64.10	57.34	53.37	
2007	62.54	67.04	64.64	62.48	58.34	64.24	63.69	69.60	65.07	59.39	
2008	88.23	90.80	89.96	86.58	86.07	90.16	90.10	95.04	90.47	85.68	
2009	52.16	52.33	52.96	50.22	52.30	55.23	54.41	W	56.11	53.59	
2010	69.72	72.75	70.24	68.09	68.10	73.29	72.33	W	74.51	69.80	
2011	85.64	88.26	88.61	82.53	83.45	100.39	98.79	W	102.50	96.01	
2012	82.91	85.78	82.98	82.73	80.70	101.33	98.70	W	104.10	97.04	
2013	87.16	90.10	88.73	84.79	85.30	99.08	95.79	W	102.53	91.40	
2014											
January	81.70	84.37	80.27	81.32	80.27	95.10	93.17	W	97.41	86.54	
February	88.26	86.84	91.29	85.73	89.54	98.74	95.41	W	102.16	91.16	
March	88.83	90.68	90.05	85.40	88.44	98.63	94.91	W	101.99	91.74	
April	89.66	92.39	90.15	86.28	88.92	99.32	96.59	W	102.27	91.61	
May	90.00	91.55	90.97	86.22	89.97	99.00	96.08	W	102.01	90.78	
June	92.08	92.45	92.82	89.45	92.49	102.02	100.11	W	104.08	92.99	
July	89.49	91.23	89.66	86.34	89.17	98.18	95.34	W	100.58	89.75	
August	83.71	86.74	82.98	81.82	82.30	92.35	89.71	W	94.62	83.42	
September	80.78	83.59	79.59	78.25	80.01	88.22	87.15	W	89.84	78.90	
October	73.87	76.15	72.58	70.79	73.54	77.18	75.43	W	79.17	68.22	
November	67.38	68.68	65.46	66.00	67.52	68.69	66.80	W	70.11	59.16	
December	50.12	50.89	47.69	51.72	49.69	50.61	46.73	W	53.77	42.59	
2014	80.92	82.48	80.54	79.04	80.54	89.30	86.41	W	92.14	80.55	
2015											
January	37.74	38.53	36.91	38.04	37.17	41.49	39.32	W	42.93	32.04	
February	40.07	39.84	39.99	38.69	40.85	44.85	43.03	W	47.02	35.65	
March	39.44	38.68	37.38	46.04	38.32	43.10	40.44	W	44.95	34.68	
April	45.38	44.75	45.26	47.87	44.96	49.19	48.06	W	50.81	41.17	
May	49.59	49.20	50.06	47.65	50.60	54.40	51.76	W	56.91	47.26	
June	51.20	50.17	52.07	49.40	52.51	55.59	53.38	W	57.25	W	
July	44.39	44.05	44.21	43.26	45.14	47.61	45.53	W	49.17	W	
August	34.91	34.97	34.89	33.78	35.33	39.29	35.53	W	41.66	W	
September	36.94	38.12	36.88	35.87	36.40	41.17	39.15	W	42.87	W	
October	38.92	39.75	38.92	36.71	39.09	40.52	38.70	W	42.20	W	
November	35.76	36.81	36.08	34.23	35.49	36.41	34.30	W	38.38	W	
December	30.01	31.21	29.89	29.88	29.19	30.07	26.92	W	32.95	W	
2015	40.58	40.51	40.38	40.69	40.64	43.58	41.11	W	45.63	37.62	
2016											
January	24.42	24.17	23.92	26.10	24.13	24.57	21.65	W	27.15	W	
February	23.93	23.18	22.16	28.06	23.45	23.42	20.89	W	25.75	W	
March	30.86	31.64	29.68	32.68	29.89	30.56	28.12	W	32.89	W	
April	34.19	35.40	33.38	33.38	33.68	33.97	32.02	W	35.69	W	
May	39.74	41.31	38.90	38.42	39.16	39.59	37.81	W	41.31	W	
June	42.95	44.07	41.90	42.01	42.69	40.17	37.90	W	42.12	W	
July	39.67	41.59	38.35	38.29	39.07	36.36	33.32	W	38.76	W	
August	39.22	41.23	37.45	38.26	38.53	37.46	34.27	W	40.05	W	
September	39.41	40.61	37.50	39.06	39.07	37.78	34.47	W	40.47	W	
October	44.37	45.26	43.23	43.30	44.32	42.36	39.17	W	45.21	W	
November	40.10	40.70	38.77	39.46	40.22	38.51	36.40	W	40.49	W	
December	45.73	46.21	44.36	44.93	46.12	45.26	43.07	W	47.41	W	
2016	36.68	37.81	35.40	36.91	35.98	35.68	33.13	W	37.96	W	

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - The actual domestic average price represents the average price at the lease (or wellhead) at which domestic crude oil is purchased. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration Form EIA-182, "Domestic Crude Oil First Purchase Report."

Table 19. Domestic crude oil first purchase prices for selected crude streams
dollars per barrel

Year month	Alaska North Slope	California Kern River	California Midway-Sunset	Heavy Louisiana Sweet	Louisiana Light Sweet	Mars Blend	West Texas Intermediate	West Texas Sour	Wyoming Sweet
1996	15.32	15.97	15.70	-	-	-	20.96	19.49	-
1997	14.84	15.02	14.88	-	-	-	19.27	17.77	-
1998	8.47	8.59	8.48	-	-	-	12.89	11.50	-
1999	12.46	14.02	12.22	-	-	-	17.78	16.66	-
2000	23.62	23.88	23.56	-	-	-	29.16	27.66	-
2001	18.18	19.03	19.50	-	-	-	24.62	22.10	-
2002	19.37	19.80	22.81	-	-	-	24.33	23.23	-
2003	23.78	25.24	26.67	-	-	-	29.60	28.18	30.11
2004	33.03	33.42	33.74	37.78	40.24	34.53	39.55	37.29	39.52
2005	47.05	44.67	45.93	51.61	51.95	46.13	53.90	50.72	53.94
2006	56.86	55.05	54.59	63.41	64.04	57.35	63.16	59.03	60.52
2007	63.69	62.14	61.62	70.00	72.93	63.37	69.59	65.56	64.79
2008	90.10	87.27	86.92	103.96	104.51	93.40	97.39	95.31	89.30
2009	54.41	53.94	53.00	58.61	61.26	57.21	57.27	56.63	51.68
2010	72.33	72.80	72.26	78.16	79.28	75.43	76.63	75.03	70.43
2011	98.79	103.14	100.96	106.74	108.48	105.30	92.18	90.77	87.42
2012	98.70	103.41	103.05	106.77	107.53	105.03	91.36	87.94	84.81
2013	95.79	101.33	101.02	105.73	106.32	100.80	95.26	92.51	90.10
2014									
January	93.17	96.00	94.96	96.73	89.39	91.99	90.21	89.55	86.53
February	95.41	100.89	99.88	105.38	104.77	101.11	96.71	95.69	92.80
March	94.91	100.44	99.63	103.09	103.07	100.60	94.65	94.33	91.81
April	96.59	101.28	100.30	102.45	103.26	100.08	94.68	93.46	92.07
May	96.08	100.68	99.46	101.40	102.00	97.26	93.53	92.62	92.44
June	100.11	103.03	101.87	102.96	104.88	99.79	97.40	96.48	94.38
July	95.34	99.38	98.05	103.76	103.08	99.86	95.67	95.35	91.18
August	89.71	93.13	91.99	100.00	98.31	95.54	87.67	85.86	84.78
September	87.15	89.12	87.92	95.84	95.53	93.28	83.51	83.58	81.66
October	75.43	78.35	77.15	87.72	86.41	84.57	76.99	75.66	74.43
November	66.80	69.41	68.01	89.09	78.17	85.47	69.63	69.68	68.99
December	46.73	52.85	51.58	65.53	62.03	65.79	54.89	56.49	50.86
2014	86.41	90.38	89.34	95.53	94.37	92.50	85.90	85.66	82.19
2015									
January	39.32	41.97	40.79	50.41	48.48	48.22	43.25	44.06	38.71
February	43.03	46.13	44.95	47.99	48.64	44.90	44.76	45.56	41.67
March	40.44	44.28	43.17	49.05	47.53	45.35	43.00	43.38	38.72
April	48.06	50.32	48.22	54.66	54.87	55.90	49.12	49.59	45.97
May	51.76	55.26	54.54	59.83	59.84	56.27	54.50	55.62	51.35
June	53.38	56.53	55.31	62.74	61.14	61.07	55.48	56.75	52.63
July	45.53	48.18	47.00	45.87	52.31	51.65	47.79	49.93	45.51
August	35.53	40.85	39.85	45.22	44.30	43.76	40.13	41.61	36.68
September	39.15	42.92	40.65	43.57	45.02	40.47	42.78	44.38	38.82
October	38.70	41.31	40.33	45.13	42.33	41.32	43.46	45.28	40.49
November	34.30	37.43	36.32	40.45	40.48	37.03	38.82	39.84	37.63
December	26.92	31.80	30.33	35.60	34.92	32.90	32.23	32.99	30.93
2015	41.11	44.71	43.81	47.83	47.91	46.27	44.58	45.78	41.77
2016									
January	21.65	26.39	24.98	30.14	29.26	27.73	27.32	28.66	25.36
February	20.89	24.58	23.07	28.27	27.36	23.93	26.52	27.48	25.09
March	28.12	31.85	31.35	33.12	34.04	28.54	32.75	33.67	32.31
April	32.02	34.66	34.11	37.79	37.78	32.97	36.19	36.63	35.94
May	37.81	40.15	39.20	42.27	43.19	37.12	42.18	42.34	41.89
June	37.90	40.44	39.12	46.40	46.25	41.60	44.98	45.30	44.57
July	33.32	37.10	37.22	43.12	42.93	40.20	41.24	41.68	40.99
August	34.27	39.46	38.61	42.71	42.23	39.14	41.16	41.53	40.83
September	34.47	39.45	38.53	42.60	42.14	38.70	41.36	40.88	41.21
October	39.17	44.21	43.50	46.92	46.92	41.84	45.95	45.08	46.09
November	36.40	39.48	39.23	44.35	43.22	41.27	42.38	42.20	42.19
December	43.07	46.46	45.74	48.18	48.70	43.41	48.63	48.66	47.27
2016	33.13	36.83	36.12	40.37	40.56	36.75	39.21	39.44	37.86

- = No data reported.

R = Revised data.

Notes: - In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase Report."

Table 20. Domestic crude oil first purchase prices by API gravity
dollars per barrel

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 or greater
1996	16.01	18.61	15.35	19.97	20.23	20.91
1997	15.44	16.27	14.87	18.38	18.62	19.26
1998	9.22	9.62	8.50	12.03	12.17	12.80
1999	14.00	15.30	12.50	16.92	17.18	17.64
2000	24.42	25.64	23.64	28.10	28.36	29.09
2001	19.53	19.59	18.18	23.31	23.99	24.43
2002	21.08	20.80	19.39	23.62	23.94	24.26
2003	25.82	25.56	23.80	28.77	29.21	29.66
2004	33.38	35.02	33.21	37.24	39.33	39.97
2005	45.01	46.33	47.09	50.81	53.14	54.06
2006	54.96	57.89	56.18	60.78	61.83	61.86
2007	62.00	64.94	62.83	67.14	69.29	69.17
2008	87.10	91.01	89.55	98.41	96.69	94.95
2009	54.05	55.66	54.30	57.66	56.93	56.66
2010	72.40	75.04	71.78	76.22	76.03	74.48
2011	101.30	103.07	97.12	99.65	94.54	91.87
2012	102.79	101.56	96.64	98.48	93.12	91.01
2013	99.40	100.70	94.13	99.11	96.24	94.76
2014						
January	93.98	96.24	91.42	92.71	90.01	87.95
February	98.33	101.22	94.36	100.74	97.23	95.85
March	98.98	100.83	93.77	99.62	95.56	95.01
April	98.87	101.98	95.35	98.83	95.71	95.91
May	98.28	101.50	95.06	97.33	94.67	95.25
June	100.49	103.84	98.96	100.14	98.07	98.53
July	96.90	100.13	94.13	99.79	96.02	95.93
August	90.57	93.95	88.18	94.03	88.81	90.33
September	86.68	88.00	86.13	90.89	84.85	85.80
October	76.09	79.34	75.11	82.87	77.72	78.17
November	67.34	70.91	66.56	77.34	70.35	70.14
December	50.48	54.60	46.60	61.48	54.91	53.32
2014	87.83	91.05	85.48	90.95	86.56	86.12
2015						
January	39.71	43.76	38.68	48.02	43.13	40.87
February	43.58	47.53	42.55	46.40	44.82	43.58
March	42.35	44.43	40.02	46.14	42.85	41.39
April	47.96	51.00	47.49	52.96	49.34	48.87
May	54.11	57.30	51.45	57.21	54.69	54.04
June	56.18	57.25	53.28	59.88	55.73	55.41
July	47.95	49.38	45.38	47.99	47.99	46.86
August	40.76	41.02	35.09	43.65	40.15	38.18
September	42.34	42.74	38.20	42.93	42.52	40.81
October	41.25	42.49	38.34	44.48	43.00	41.79
November	37.26	38.86	33.90	39.32	38.94	37.79
December	31.39	34.15	26.70	34.00	32.56	31.65
2015	43.88	45.71	40.73	46.82	44.67	43.65
2016						
January	26.13	27.33	21.54	28.96	27.31	26.41
February	24.37	25.95	20.75	26.67	26.41	24.81
March	31.93	33.32	27.70	31.90	32.98	31.97
April	34.72	35.99	31.68	35.92	36.51	35.82
May	40.00	41.97	37.41	40.94	42.41	41.44
June	40.44	43.04	37.93	44.51	45.16	44.46
July	37.34	39.42	33.47	41.82	41.55	40.97
August	39.18	40.46	34.17	41.22	41.40	40.44
September	39.39	40.76	34.40	40.88	41.55	40.68
October	44.28	45.53	39.13	44.77	46.22	45.81
November	39.72	41.31	36.30	42.59	42.57	41.49
December	46.54	47.95	42.98	46.67	48.69	47.52
2016	36.87	38.52	32.94	38.95	39.34	38.23

R = Revised data.

Notes: - In January 2004, new crude streams were added and selected crude streams were discontinued for California, Gulf Coast, Oklahoma, and Texas. - Values shown for the current month are preliminary. Values shown for the previous month may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration, Form EIA-182, "Domestic Crude Oil First Purchase Report."

Table 21. F.O.B.[a] costs of imported crude oil by selected country

dollars per barrel

Year month	Selected countries							Persian Gulf[b]	Total OPEC[c]	Non OPEC
	Angola	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela			
1996	20.71	21.33	19.14	21.27	19.28	19.43	17.73	19.22	18.94	19.65
1997	18.81	18.85	16.72	19.43	15.16	18.59	15.33	15.24	16.26	17.51
1998	12.11	12.56	10.49	12.97	8.87	12.52	9.31	9.09	10.20	11.21
1999	17.46	17.20	15.89	17.32	17.65	19.14	14.33	17.15	15.90	16.84
2000	27.90	29.04	25.39	28.70	24.62	27.21	24.45	24.72	25.56	26.77
2001	23.25	24.25	18.89	24.85	18.98	23.30	18.01	18.89	19.73	21.04
2002	24.09	24.64	21.60	25.38	23.92	24.50	20.13	23.38	22.18	22.93
2003	28.22	28.89	24.83	29.40	25.03	28.76	23.81	25.17	25.36	26.21
2004	37.26	37.73	31.55	38.71	34.08	37.30	31.78	33.08	33.95	33.58
2005	52.48	51.89	43.00	55.95	47.96	54.48	46.39	47.21	49.60	45.79
2006	62.23	59.77	52.91	65.69	56.09	66.03	55.80	56.02	59.18	55.35
2007	67.80	67.93	61.35	76.64	W	69.96	64.10	69.93	69.58	62.69
2008	95.66	91.17	84.61	102.06	93.03	96.33	88.06	91.44	93.15	87.15
2009	57.07	57.90	56.47	64.61	57.87	65.63	55.58	59.53	58.53	57.16
2010	78.18	72.56	72.46	80.83	76.44	W	70.30	75.65	75.23	73.24
2011	111.82	100.21	100.90	115.35	107.08	-	97.23	106.47	105.34	98.49
2012	111.23	106.43	101.84	114.51	106.65	-	100.15	105.45	104.39	95.71
2013	107.71	101.24	98.40	110.06	101.16	W	97.52	100.62	100.57	93.67
2014										
January	W	95.84	89.30	-	99.21	-	89.69	98.44	94.85	87.56
February	W	96.04	91.77	-	102.26	-	92.88	100.70	97.51	89.73
March	W	W	91.38	W	101.25	-	92.27	100.67	97.19	90.59
April	W	98.61	93.22	W	99.76	-	95.26	99.02	99.15	90.49
May	W	98.75	95.31	-	100.58	-	96.67	98.89	98.29	94.58
June	W	99.03	98.20	-	104.95	-	98.19	102.49	100.67	95.67
July	W	100.11	94.65	-	105.25	-	92.45	103.81	97.43	91.37
August	W	92.38	91.17	-	99.74	-	89.22	98.95	93.30	86.68
September	W	86.08	88.50	-	94.98	-	83.20	93.59	88.39	83.11
October	W	72.47	79.79	-	85.77	-	74.19	85.04	79.29	75.20
November	W	70.25	71.87	-	W	-	65.55	W	71.14	65.49
December	W	50.95	53.20	-	W	-	45.33	60.65	52.49	48.59
2014	W	80.75	86.55	W	95.60	-	84.51	94.03	89.76	82.95
2015										
January	-	42.49	41.19	-	48.14	-	37.99	52.21	42.64	38.89
February	W	50.79	48.12	W	47.92	-	45.85	47.70	47.31	42.43
March	W	47.25	46.89	-	50.64	-	43.51	49.75	45.54	42.63
April	W	54.95	50.49	-	58.95	-	49.03	53.33	50.55	47.41
May	W	56.30	56.80	-	61.80	-	51.99	59.55	54.95	53.59
June	W	56.42	56.78	-	58.31	-	50.34	58.57	54.06	53.70
July	W	46.62	50.71	-	W	-	44.44	50.42	46.61	45.55
August	W	42.35	40.40	-	43.38	-	35.47	43.01	38.21	36.62
September	W	W	40.50	-	44.50	-	36.23	43.87	39.81	35.06
October	W	41.56	40.18	-	42.51	-	37.77	40.68	39.33	36.02
November	-	W	36.16	-	39.87	-	31.68	38.17	33.98	33.30
December	W	28.98	30.12	W	34.75	-	24.91	33.79	29.35	27.57
2015	W	47.52	44.90	W	47.53	-	40.73	46.95	43.25	41.19
2016										
January	W	W	24.12	W	26.24	-	20.73	25.73	25.05	22.45
February	W	24.91	24.50	37.83	27.46	-	22.57	26.58	27.01	23.35
March	35.33	30.47	29.01	W	34.14	-	27.15	32.32	31.35	28.40
April	W	33.57	30.79	W	37.13	-	29.07	35.67	34.08	31.95
May	W	39.00	39.04	W	42.44	W	36.65	40.55	40.51	37.05
June	49.56	41.64	42.27	48.79	45.16	-	39.33	43.77	43.73	40.22
July	45.00	36.91	39.99	W	42.11	-	35.69	40.91	39.61	38.09
August	W	36.80	38.73	W	42.48	-	37.56	40.44	40.44	36.80
September	W	40.36	38.44	W	42.31	-	36.95	40.37	40.01	37.18
October	W	40.59	42.91	W	47.10	-	40.38	R45.17	R44.66	R40.37
November	W	R39.93	R39.55	W	R42.53	W	R38.22	41.08	R41.99	R38.34
December	W	45.27	45.31	W	48.75	W	44.35	47.95	47.13	43.11
2016	42.68	35.28	36.14	45.60	39.35	W	34.36	38.75	38.29	34.73

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary.

[b] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

[c] Includes Algeria, Angola (January 2007-present), Ecuador (January 2008-present), Gabon (July 2016-present), Indonesia (1996-2008 and January 2016-present), Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 22. Landed costs of imported crude oil by selected country

dollars per barrel

Year month	Selected countries								Persian Gulf[a]	Total OPEC[b]	Non OPEC
	Angola	Canada	Colombia	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela			
1996	21.86	19.94	22.02	19.64	21.95	20.49	20.88	18.59	20.45	20.14	20.47
1997	20.24	17.63	19.71	17.30	20.64	17.52	20.64	16.35	17.44	17.73	18.45
1998	13.37	11.62	13.26	11.04	14.14	11.16	13.55	10.16	11.18	11.46	12.22
1999	18.37	17.54	18.09	16.12	17.63	17.48	18.26	15.58	17.37	16.94	17.51
2000	29.57	26.69	29.68	26.03	30.04	26.58	29.26	26.05	26.77	27.29	27.80
2001	25.13	20.72	25.88	19.37	26.55	20.98	25.32	19.81	20.73	21.52	22.17
2002	25.43	22.98	25.28	22.09	26.45	24.77	26.35	21.93	24.13	23.83	23.97
2003	30.14	26.76	30.55	25.48	31.07	27.50	30.62	25.70	27.54	27.70	27.68
2004	39.62	34.51	39.03	32.25	40.95	37.11	39.28	33.79	36.53	36.84	35.29
2005	54.31	44.73	53.42	43.47	57.55	50.31	55.28	47.87	49.68	51.36	47.31
2006	64.85	53.90	62.13	53.76	68.26	59.19	67.44	57.37	58.92	61.21	57.14
2007	71.27	60.38	70.91	62.31	78.01	70.78	72.47	66.13	69.83	71.14	63.96
2008	98.18	90.00	93.43	85.97	104.83	94.75	96.95	90.76	93.59	95.49	90.59
2009	61.32	57.60	58.50	57.35	68.01	62.14	63.87	57.78	62.15	61.90	58.58
2010	80.61	72.80	74.25	72.86	83.14	79.29	80.29	72.43	78.60	78.28	74.68
2011	114.05	89.92	102.57	101.21	116.43	108.83	118.45	100.14	108.01	107.84	98.64
2012	114.95	84.24	107.07	102.45	116.88	108.15	W	101.58	107.74	107.56	95.05
2013	110.81	84.41	103.00	99.06	112.87	102.60	111.23	99.34	102.53	102.98	91.99
2014											
January	W	78.21	97.87	90.85	-	101.30	-	92.53	100.18	98.30	84.91
February	110.96	87.98	98.59	92.92	W	102.62	W	95.33	101.54	100.41	91.27
March	107.52	89.40	98.71	92.44	W	102.15	-	94.63	101.68	100.36	92.15
April	108.70	89.01	99.68	94.01	W	102.48	W	97.08	102.07	101.81	91.99
May	W	91.77	101.24	96.12	W	103.03	-	98.35	102.03	101.54	94.96
June	W	93.03	102.61	99.36	-	104.11	W	99.78	102.78	102.39	97.01
July	W	90.27	101.68	95.61	-	103.01	W	94.12	102.39	100.17	94.03
August	103.69	83.93	95.70	92.07	-	98.80	-	91.64	99.98	97.19	88.15
September	99.49	81.27	91.03	89.25	-	93.39	-	84.78	93.81	91.07	85.08
October	90.74	76.38	80.37	80.42	W	79.85	W	75.72	83.84	82.50	78.56
November	80.21	66.85	73.37	73.18	W	72.72	-	67.59	75.10	73.17	69.65
December	61.33	50.82	56.17	53.54	W	58.56	W	47.86	62.29	58.35	52.75
2014	99.25	81.30	88.29	87.48	102.16	94.91	W	86.88	95.30	93.10	84.67
2015											
January	W	40.45	45.47	41.68	W	50.12	-	40.08	53.01	48.17	42.31
February	W	42.39	53.40	48.29	W	52.44	-	47.93	52.20	51.44	44.86
March	W	41.71	51.25	47.62	W	55.23	W	45.90	54.30	51.13	44.82
April	W	46.67	57.48	52.13	-	59.92	W	52.17	56.99	55.39	49.79
May	60.84	54.06	59.92	57.32	W	62.06	W	53.78	60.92	59.11	55.97
June	61.45	55.42	58.21	57.46	W	58.40	-	52.43	58.17	56.79	56.69
July	53.22	47.98	51.58	51.25	W	51.62	-	46.74	51.93	50.45	49.42
August	54.02	38.29	43.87	41.94	-	45.24	W	38.75	45.70	43.17	40.41
September	53.46	35.29	42.87	40.71	W	44.89	-	37.91	44.94	43.31	37.82
October	47.49	37.64	42.37	40.67	W	42.09	W	39.55	41.81	41.57	39.41
November	47.56	35.67	39.70	36.73	W	39.62	-	33.79	39.43	37.86	36.68
December	38.54	30.25	32.50	30.54	W	34.13	W	26.73	34.33	32.60	30.91
2015	51.73	41.99	49.53	45.51	54.70	49.78	W	42.87	49.43	47.44	44.09
2016											
January	34.83	26.21	26.23	24.82	W	31.07	-	21.64	30.92	28.98	26.25
February	33.04	24.61	26.32	25.19	39.44	31.86	W	23.49	30.69	29.49	25.42
March	36.68	29.40	33.38	29.65	42.86	36.19	W	28.70	34.60	33.87	30.39
April	40.91	34.18	36.71	31.91	W	39.75	-	31.20	38.00	36.78	34.42
May	49.14	38.43	42.28	39.67	W	43.46	W	38.14	42.56	42.48	39.55
June	49.06	41.97	43.88	42.50	51.05	45.90	-	40.04	44.70	44.70	42.65
July	47.04	39.41	40.90	40.30	48.46	43.80	W	37.00	42.73	41.75	40.48
August	49.43	37.84	40.78	39.34	50.20	43.67	W	38.66	42.74	42.46	39.01
September	46.15	38.62	43.43	38.86	49.91	44.22	-	38.11	43.19	42.51	39.60
October	48.88	R41.79	R43.44	43.44	W	R46.95	-	41.61	R45.62	R45.72	R42.64
November	48.34	R39.81	R43.00	R40.20	R52.33	R46.17	W	R39.38	R44.63	R44.17	R40.52
December	52.55	43.35	49.08	45.73	55.32	49.51	W	45.60	48.38	48.25	44.88
2016	44.37	36.18	38.78	36.52	47.50	41.37	W	35.19	40.56	40.01	37.01

- = No data reported.

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R = Revised data.

[a] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

[b] Includes Algeria, Angola (January 2007-present), Ecuador (January 2008-present), Gabon (July 2016-present), Indonesia (1996-2008 and January 2016-present), Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 23. F.O.B.[a] costs of imported crude oil by API gravity
dollars per barrel

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1996	16.01	17.26	19.90	20.04	21.20	21.00	21.59
1997	13.12	14.94	17.49	17.61	19.37	19.88	19.77
1998	7.00	8.95	10.77	11.73	12.91	13.12	12.92
1999	12.13	14.49	17.07	17.33	18.03	18.81	17.00
2000	21.81	23.75	26.49	27.09	28.77	29.55	29.89
2001	16.17	17.23	21.84	21.60	23.84	24.80	25.72
2002	18.78	20.51	23.48	24.20	24.92	25.20	25.16
2003	21.88	24.09	25.65	27.49	28.67	29.35	28.64
2004	28.95	30.53	33.65	35.57	38.51	39.90	39.26
2005	40.54	41.52	49.26	50.82	54.65	56.47	52.83
2006	50.19	51.62	58.25	60.27	64.36	66.43	64.85
2007	56.69	60.14	69.31	71.44	73.46	74.27	70.10
2008	81.25	83.07	96.68	94.56	98.17	102.32	100.20
2009	54.76	54.36	56.30	59.78	63.63	62.10	63.32
2010	69.51	69.72	76.73	77.48	79.45	79.43	81.04
2011	94.66	94.15	103.09	107.24	111.37	114.28	112.74
2012	96.07	94.35	104.28	103.99	106.59	110.99	119.48
2013	93.91	91.27	100.20	101.44	104.26	108.78	103.41
2014							
January	86.93	83.49	93.15	98.22	97.42	102.57	W
February	90.67	85.80	96.82	101.40	101.98	W	-
March	89.67	86.02	98.15	101.97	104.46	103.28	-
April	92.76	87.73	100.07	101.07	104.15	W	-
May	95.39	91.32	98.08	101.36	104.94	110.48	-
June	95.80	92.70	102.70	103.39	109.94	W	-
July	90.57	88.94	98.17	102.70	102.15	W	W
August	87.37	84.81	95.61	97.30	98.08	95.08	-
September	81.86	81.15	91.02	91.93	94.44	W	-
October	72.91	73.63	83.56	82.96	86.00	W	-
November	64.88	64.56	69.33	73.47	75.64	W	-
December	44.92	46.81	60.73	57.74	56.26	W	-
2014	82.40	80.16	92.53	93.77	94.26	99.49	W
2015							
January	36.12	37.19	40.56	48.26	44.79	-	-
February	43.24	40.73	51.51	47.81	49.30	-	-
March	41.68	40.74	47.13	49.07	50.01	W	-
April	47.47	44.71	52.40	55.26	54.20	W	-
May	50.76	50.63	57.31	61.11	60.60	-	-
June	51.61	51.06	56.49	58.88	60.35	W	W
July	43.79	43.36	48.56	51.62	54.06	W	-
August	34.73	34.10	38.43	44.65	44.58	-	-
September	34.74	32.70	41.60	44.02	44.32	-	W
October	35.75	34.14	40.94	44.34	46.13	-	-
November	30.81	31.02	34.68	40.92	42.87	W	-
December	25.06	24.39	31.91	35.43	36.94	-	-
2015	40.07	38.33	47.33	47.85	49.98	54.59	W
2016							
January	20.34	20.28	25.86	27.81	31.02	-	W
February	22.26	21.01	27.87	28.75	31.81	-	W
March	26.57	26.35	30.41	35.27	36.02	-	43.97
April	29.03	29.59	36.10	37.76	40.99	W	W
May	35.85	35.32	40.01	45.82	44.77	-	W
June	39.85	37.92	43.98	46.85	46.52	48.02	W
July	35.86	35.44	40.31	42.71	45.54	47.25	W
August	36.67	34.39	40.91	42.03	44.06	44.74	W
September	36.61	34.21	43.14	42.79	44.64	W	W
October	39.96	R38.47	R42.12	46.98	49.33	49.07	W
November	R37.47	R36.15	R43.04	R44.06	R46.27	R49.59	W
December	42.99	41.05	47.90	48.63	50.02	51.15	52.23
2016	33.77	32.52	38.73	40.59	42.59	48.52	46.50

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[a] Free on Board. See Glossary

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Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 24. Landed costs of imported crude oil by API gravity

dollars per barrel

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1996	17.18	18.11	20.53	20.87	21.74	21.71	22.28
1997	14.42	15.79	18.57	18.42	20.34	21.09	20.85
1998	8.19	9.73	11.81	12.31	13.73	14.40	14.38
1999	13.40	15.30	17.33	17.81	18.18	19.22	18.48
2000	23.49	24.71	27.60	27.91	29.99	30.37	31.10
2001	17.66	18.14	23.29	22.21	24.86	26.59	26.49
2002	20.59	21.33	24.40	24.91	25.73	26.49	25.96
2003	23.87	25.15	27.78	28.78	29.95	30.73	30.90
2004	30.96	31.92	35.99	37.94	39.82	41.25	41.59
2005	42.20	42.24	49.94	52.18	54.95	58.38	56.43
2006	51.84	52.62	59.38	61.88	64.80	68.44	66.78
2007	59.01	60.64	68.95	72.03	73.17	75.68	73.57
2008	85.39	84.76	97.30	96.83	99.90	103.68	99.23
2009	56.38	55.68	61.28	62.43	64.80	64.82	63.90
2010	71.54	71.07	78.35	79.64	81.25	81.09	82.17
2011	96.89	93.32	106.06	108.76	110.93	115.40	113.24
2012	97.49	91.32	105.92	107.23	107.27	112.70	115.67
2013	95.87	88.35	101.63	102.97	104.39	110.66	105.88
2014							
January	88.49	80.07	96.77	99.49	96.09	106.41	W
February	94.95	86.87	98.77	102.96	100.62	106.10	W
March	93.24	87.49	99.78	102.89	102.86	104.29	W
April	95.83	88.31	101.12	102.81	102.92	111.19	W
May	96.41	91.10	102.57	103.18	104.26	110.50	W
June	98.51	93.45	101.68	104.16	109.58	111.80	W
July	93.60	90.52	100.94	103.89	105.20	102.75	W
August	88.72	85.78	98.72	99.39	97.31	97.58	W
September	83.96	82.69	93.68	93.04	94.51	89.01	W
October	76.17	76.02	83.55	85.38	87.35	83.14	-
November	68.63	67.78	72.58	75.59	76.43	74.50	W
December	49.52	50.87	60.87	61.55	57.66	59.85	-
2014	85.31	81.44	93.64	95.20	94.50	100.17	100.25
2015							
January	40.03	39.79	52.17	50.77	47.48	53.39	W
February	45.77	43.20	51.82	51.89	51.56	48.84	-
March	45.13	42.48	51.32	52.91	50.05	51.66	-
April	50.79	47.45	55.10	57.95	54.76	53.56	-
May	54.00	52.93	58.54	62.19	62.56	W	-
June	54.56	54.32	57.64	59.85	61.64	62.71	W
July	47.27	47.50	51.18	53.06	54.59	54.54	-
August	38.84	37.49	42.89	47.05	48.15	W	-
September	37.30	35.30	43.82	46.06	45.39	W	W
October	38.40	37.27	41.77	44.08	46.40	W	W
November	34.27	33.76	38.97	41.62	45.33	45.46	W
December	29.10	27.95	36.64	35.93	39.34	43.39	W
2015	43.20	41.14	49.58	50.16	50.78	54.54	51.70
2016							
January	22.58	23.84	28.81	32.26	33.96	W	W
February	24.13	23.07	29.89	31.52	32.78	W	W
March	28.88	28.55	34.07	36.42	36.45	W	46.17
April	31.16	31.97	38.03	39.58	41.82	42.79	W
May	38.32	37.95	44.04	44.45	45.26	47.93	W
June	40.90	40.39	44.61	47.16	48.13	50.67	W
July	37.91	37.94	42.92	44.37	47.85	48.61	W
August	38.22	36.47	43.35	44.02	45.83	46.60	W
September	37.85	36.77	44.73	44.61	46.71	46.95	W
October	41.56	R40.47	R45.27	R47.69	R49.80	50.10	W
November	R39.53	R37.75	R44.89	R46.13	R48.15	R50.71	R51.15
December	44.36	42.27	49.88	50.52	50.93	52.53	53.69
2016	35.59	34.63	41.16	41.75	44.31	48.12	48.53

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Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 25. Percentages of total imported crude oil by API gravity
percent by interval

Year month	20.0 or less	20.1 to 25.0	25.1 to 30.0	30.1 to 35.0	35.1 to 40.0	40.1 to 45.0	45.1 or greater
1996	4.58	20.88	14.69	32.92	23.51	1.95	1.47
1997	6.05	21.88	13.33	34.43	21.28	1.77	1.27
1998	5.84	20.29	13.99	35.62	20.81	1.88	1.57
1999	4.76	17.78	14.18	36.54	21.46	3.72	1.57
2000	6.21	18.88	13.41	36.90	19.83	3.44	1.35
2001	7.97	20.78	11.60	36.10	19.63	2.71	1.21
2002	8.28	22.29	11.44	35.28	18.29	2.67	1.75
2003	8.29	24.25	9.97	35.60	17.19	2.70	1.99
2004	11.13	23.70	8.18	34.57	17.68	2.10	2.64
2005	11.94	22.83	10.20	31.87	16.92	3.68	2.55
2006	13.04	23.28	11.18	28.22	15.73	5.82	2.74
2007	11.72	23.12	11.18	28.86	16.71	5.57	2.84
2008	13.22	23.50	11.51	30.42	14.64	4.24	2.47
2009	14.08	26.11	7.78	29.74	13.76	5.65	2.88
2010	15.13	26.01	5.35	30.73	14.35	5.57	2.86
2011	17.20	27.47	6.02	30.64	13.42	3.58	1.68
2012	16.66	29.77	8.41	28.31	12.84	3.36	0.65
2013	16.20	33.87	8.74	29.98	9.67	1.28	0.27
2014							
January	18.22	31.26	8.08	33.63	7.74	W	W
February	14.59	37.06	8.29	33.78	5.57	W	W
March	17.75	34.80	9.52	30.10	6.65	W	W
April	14.40	36.41	9.18	31.60	6.71	W	W
May	17.80	33.53	13.23	27.28	7.11	W	W
June	19.31	36.54	12.24	24.58	6.06	W	W
July	18.47	38.77	9.95	25.50	6.77	W	W
August	20.99	39.45	11.15	20.00	7.76	W	W
September	21.17	38.60	11.29	19.85	8.77	W	W
October	20.75	36.05	7.04	26.57	8.96	0.62	-
November	21.89	38.01	7.18	23.83	8.59	W	W
December	16.87	40.86	9.99	26.09	5.54	0.66	-
2014	18.49	36.73	9.78	26.96	7.19	0.75	0.11
2015							
January	16.01	41.24	7.33	27.28	7.14	W	W
February	15.02	41.48	10.70	24.13	8.33	0.35	-
March	20.31	36.19	10.31	27.60	4.57	1.02	-
April	20.36	37.95	11.27	24.61	5.66	0.14	-
May	18.26	34.55	9.80	28.26	W	W	-
June	24.33	32.26	9.67	25.44	6.81	W	W
July	20.21	37.46	8.62	24.09	8.84	0.78	-
August	23.42	36.61	W	24.31	7.75	W	-
September	22.05	35.89	8.69	25.82	7.37	W	W
October	18.60	38.33	7.98	28.55	6.42	W	W
November	18.22	40.95	7.08	26.93	6.57	W	W
December	17.11	43.82	4.57	26.79	7.52	W	W
2015	19.51	38.05	8.63	26.17	7.15	0.43	0.06
2016							
January	14.71	40.07	8.07	28.10	7.60	W	W
February	17.17	40.06	6.89	27.08	7.43	W	W
March	15.82	40.58	6.44	28.91	7.03	W	W
April	15.37	40.60	5.96	26.65	8.75	W	W
May	15.79	44.06	8.63	21.40	7.77	W	W
June	16.03	37.92	10.60	22.94	7.74	W	W
July	16.36	39.08	10.74	23.39	7.66	W	W
August	19.78	35.47	8.22	24.36	10.04	W	W
September	17.04	38.40	7.57	24.27	11.18	W	W
October	R17.61	R38.79	R5.13	R25.90	R8.75	W	W
November	R18.67	R37.33	R7.97	R21.74	R10.38	R2.53	R1.39
December	17.20	41.51	9.25	19.17	8.51	3.01	1.34
2016	16.79	39.42	7.99	24.57	8.57	1.48	1.18

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

Notes: - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 26. F.O.B.[a] costs of imported crude oil for selected crude streams

dollars per barrel

Year quarter month	Canadian Lloydminster	Iraqi Basrah Light	Mexican Mayan	Nigerian Qua Iboe	Venezuelan Merey
2004	29.31	-	30.11	-	-
2005	35.13	-	40.69	-	-
2006	44.55	-	51.29	-	-
2007	48.54	-	59.96	-	-
2008	79.33	-	82.99	-	-
2009	50.11	62.98	55.07	65.60	59.89
2010	64.41	74.36	70.36	82.66	70.26
2011	78.41	104.51	98.27	115.82	98.73
2012	77.01	103.17	99.81	115.85	102.04
2013	75.61	99.28	96.87	W	99.26
2014					
January	W	95.18	87.17	-	W
February	77.47	W	90.01	-	W
March	80.29	W	90.13	W	W
1st quarter average	77.01	96.51	89.11	W	W
April	82.01	W	93.03	-	W
May	W	95.87	94.89	-	97.79
June	W	99.94	97.86	-	W
2nd quarter average	82.13	97.41	95.37	-	98.37
July	W	100.80	94.33	-	W
August	-	W	91.10	-	W
September	W	90.98	88.13	-	W
3rd quarter average	W	96.16	91.23	-	W
October	W	83.93	78.85	-	W
November	-	-	71.43	-	W
December	W	W	52.52	-	W
4th quarter average	W	75.60	67.51	-	W
2014	75.42	92.96	85.83	W	89.86
2015					
January	W	W	40.11	-	W
February	W	-	47.31	-	48.13
March	W	W	45.67	-	45.61
1st quarter average	W	W	44.26	-	44.61
April	W	49.72	49.53	-	49.85
May	W	W	55.16	-	W
June	W	W	56.63	-	W
2nd quarter average	W	52.99	53.57	-	54.93
July	W	W	50.53	-	W
August	W	-	40.55	-	W
September	-	W	39.50	-	W
3rd quarter average	W	W	43.64	-	W
October	-	W	39.14	-	W
November	-	W	35.36	-	W
December	-	W	28.74	W	W
4th quarter average	-	W	34.73	W	W
2015	-	47.59	43.49	W	43.82
2016					
January	-	24.24	24.21	W	W
February	-	W	24.84	W	W
March	-	W	29.22	-	W
1st quarter average	-	26.69	26.05	W	W
April	-	W	30.95	W	W
May	-	W	39.08	W	38.57
June	-	W	42.43	-	42.02
2nd quarter average	-	W	37.45	W	38.53
July	-	W	40.25	-	40.28
August	-	W	38.76	-	39.02
September	-	39.76	38.61	-	39.06
3rd quarter average	-	39.69	39.20	-	39.36
October	-	44.37	43.20	W	42.84
November	-	W	R39.73	W	R40.82
December	-	W	45.47	-	44.76
4th quarter average	-	44.01	42.41	W	42.75
2016	-	36.73	36.32	W	37.33

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

R = Revised data.

[a] Free on Board. See Glossary

Notes: - Effective January 2009, selected crude streams were discontinued and new crude streams were added for publication. - Values reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail. - Values for the current 2 months are preliminary. Values shown for previous months may be revised. Data through 2015 are final.

Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Table 27. Landed costs of imported crude oil for selected crude streams
dollars per barrel

Year quarter month	Algerian Saharan Blend	Brazilian Marlim	Canadian Bow River Heavy	Canadian Light Sour Blend	Canadian Lloydminster
2004	-	-	30.88	-	30.54
2005	-	-	39.22	-	37.59
2006	-	-	48.38	-	46.96
2007	-	-	52.36	-	50.94
2008	-	-	84.29	-	82.50
2009	65.95	58.94	55.71	59.12	53.44
2010	81.78	76.63	68.92	76.56	68.13
2011	115.82	107.13	82.02	96.52	82.24
2012	114.02	114.32	77.19	87.82	81.33
2013	113.45	108.43	76.88	90.59	79.34
2014					
January	-	W	68.90	80.93	71.67
February	-	-	84.26	91.25	80.63
March	-	-	82.31	94.88	84.03
1st quarter average	-	W	78.71	88.20	79.06
April	-	-	82.85	93.79	86.06
May	-	-	85.93	97.06	85.05
June	-	W	89.46	100.46	90.85
2nd quarter average	-	W	85.85	96.66	86.41
July	-	W	87.58	97.24	91.55
August	-	W	78.67	88.70	89.92
September	-	-	78.67	86.44	89.53
3rd quarter average	-	W	81.85	89.52	90.54
October	-	W	74.96	80.27	78.73
November	-	W	67.16	68.32	W
December	-	-	49.21	52.01	W
4th quarter average	-	W	63.22	66.05	63.85
2014	-	93.08	76.90	85.10	81.87
2015					
January	-	W	35.54	44.11	W
February	-	W	39.38	45.40	40.02
March	-	-	38.53	45.13	43.08
1st quarter average	-	W	37.94	44.85	43.09
April	-	-	43.05	51.51	41.52
May	-	W	49.96	57.72	44.60
June	W	-	54.33	57.62	W
2nd quarter average	W	W	48.87	56.24	47.98
July	-	W	46.98	50.29	W
August	-	-	33.33	44.39	W
September	-	-	30.50	42.33	W
3rd quarter average	-	W	37.08	45.99	W
October	-	W	36.11	43.83	W
November	-	-	31.42	44.27	W
December	-	W	26.11	37.58	W
4th quarter average	-	W	31.39	42.37	W
2015	W	47.77	38.90	47.18	38.51
2016					
January	W	W	21.81	29.17	W
February	-	-	20.43	28.12	W
March	W	-	28.79	34.53	W
1st quarter average	W	W	24.28	30.06	W
April	-	-	30.15	38.30	W
May	W	-	35.84	42.53	W
June	W	-	39.70	46.22	W
2nd quarter average	W	-	36.48	42.16	W
July	W	-	36.70	44.75	W
August	W	-	34.94	42.99	W
September	-	W	34.66	43.94	W
3rd quarter average	W	W	35.44	43.88	W
October	52.01	-	40.05	46.75	W
November	49.15	W	R36.32	41.11	W
December	53.37	-	41.32	48.29	W
4th quarter average	51.60	W	39.18	45.53	W
2016	49.82	W	33.38	40.02	W

See footnotes at end of table.

Table 27. Landed costs of imported crude oil for selected crude streams (cont.)

dollars per barrel

Year quarter month	Ecuadorian Oriente	Ecuadorian Napo	Iraqi Basrah Light	Mexican Mayan	Nigerian Bonny Light
2004	36.34	-	-	31.01	41.16
2005	46.42	-	-	41.54	57.12
2006	56.75	-	-	52.04	69.29
2007	64.57	-	-	60.93	77.90
2008	87.25	-	-	84.29	108.46
2009	56.97	48.74	64.38	56.03	68.30
2010	75.48	72.97	77.96	70.87	84.10
2011	101.74	97.91	106.67	98.81	116.95
2012	105.50	101.53	106.93	100.29	117.70
2013	104.14	100.01	102.70	97.43	W
2014					
January	98.85	94.03	96.74	88.29	-
February	101.73	99.31	98.18	91.06	-
March	W	100.36	100.65	90.78	-
1st quarter average	100.97	97.19	98.43	90.04	-
April	104.56	W	100.42	93.76	-
May	104.00	W	100.45	95.68	-
June	105.36	101.91	101.06	98.83	-
2nd quarter average	104.46	100.75	100.67	96.19	-
July	100.36	101.61	101.97	95.10	-
August	97.73	92.87	100.68	91.78	-
September	92.39	88.43	94.12	88.80	-
3rd quarter average	96.30	94.26	98.91	91.86	-
October	85.17	83.44	90.49	79.19	-
November	71.01	W	W	72.26	-
December	58.52	W	73.33	52.88	W
4th quarter average	70.37	72.13	83.49	68.15	W
2014	91.65	93.11	96.95	86.49	W
2015					
January	46.44	W	66.83	40.70	-
February	51.98	W	W	47.69	-
March	50.68	45.89	W	46.42	-
1st quarter average	49.51	44.66	60.44	44.80	-
April	54.79	W	49.93	51.18	-
May	60.87	-	55.30	56.00	W
June	60.38	56.96	56.75	56.70	W
2nd quarter average	58.79	55.92	53.24	54.47	66.10
July	54.90	W	54.12	51.25	-
August	45.21	W	W	42.29	-
September	45.10	41.06	46.17	39.99	-
3rd quarter average	48.62	42.48	50.53	44.39	-
October	45.33	40.83	41.74	39.72	-
November	40.56	W	38.67	36.05	-
December	34.83	26.47	35.18	29.28	W
4th quarter average	40.43	35.41	39.39	35.21	W
2015	49.65	41.84	49.50	44.08	59.92
2016					
January	28.35	26.72	30.55	25.03	W
February	28.24	28.25	27.65	25.46	-
March	35.40	30.07	33.26	29.82	-
1st quarter average	31.19	28.06	30.47	26.83	-
April	38.81	33.81	34.37	31.81	-
May	42.31	39.83	43.44	39.77	-
June	45.43	43.22	43.60	42.81	-
2nd quarter average	42.15	39.55	40.55	38.08	-
July	42.50	38.82	43.53	40.49	-
August	41.32	40.07	41.98	39.39	-
September	43.17	39.27	42.47	39.05	-
3rd quarter average	42.40	39.43	42.63	39.63	-
October	R46.21	W	R44.91	43.76	-
November	R44.69	W	R42.38	R40.32	-
December	48.39	46.11	47.81	45.87	-
4th quarter average	46.08	43.23	44.66	43.04	-
2016	40.58	36.69	39.58	36.68	W

See footnotes at end of table.

Table 27. Landed costs of imported crude oil for selected crude streams (cont.)
dollars per barrel

Year quarter month	Nigerian Qua Iboe	Saudi Arabian Light	Saudi Arabian Medium	Saudi Arabian Berri	Venezuelan Merey
2004	-	38.01	36.34	-	-
2005	-	52.92	48.92	-	-
2006	-	60.51	58.10	-	-
2007	-	71.62	70.09	-	-
2008	-	94.38	91.46	-	-
2009	68.26	63.10	61.87	59.72	60.15
2010	84.44	79.65	78.13	81.14	71.59
2011	117.02	109.43	107.12	110.77	100.36
2012	116.48	108.93	106.83	110.03	103.28
2013	112.47	103.44	101.44	107.00	100.69
2014					
January	-	101.94	99.77	103.52	W
February	-	104.36	100.30	W	W
March	W	103.81	100.87	W	W
1st quarter average	W	103.28	100.35	103.86	W
April	-	102.53	102.15	104.43	W
May	-	102.92	102.88	105.28	99.60
June	-	106.38	102.08	109.66	W
2nd quarter average	-	103.57	102.36	106.05	100.10
July	-	105.51	101.74	109.18	W
August	-	100.24	98.17	104.01	W
September	-	94.71	91.16	98.66	W
3rd quarter average	-	99.35	98.28	102.65	W
October	-	83.36	76.92	89.12	W
November	-	77.88	70.05	79.15	W
December	-	59.88	61.39	W	W
4th quarter average	-	72.95	70.79	80.78	W
2014	W	96.83	94.47	96.68	91.73
2015					
January	-	50.32	50.36	48.87	W
February	-	52.19	51.84	54.93	50.43
March	-	54.29	55.42	W	47.50
1st quarter average	-	52.51	52.97	53.62	46.64
April	-	60.47	58.31	W	52.11
May	-	64.06	60.34	W	W
June	-	59.88	56.99	W	W
2nd quarter average	-	61.34	58.52	W	57.02
July	-	52.08	51.47	53.96	W
August	-	45.49	44.58	47.02	W
September	-	45.63	43.42	49.25	W
3rd quarter average	-	47.47	46.99	49.89	W
October	-	42.07	41.44	48.22	W
November	-	40.40	37.13	45.59	W
December	W	35.37	32.36	W	W
4th quarter average	W	39.55	36.92	45.64	W
2015	W	50.00	48.66	52.83	45.77
2016					
January	W	30.95	31.18	W	W
February	W	31.66	31.36	33.68	W
March	-	36.80	35.39	36.48	30.21
1st quarter average	W	33.11	33.09	34.54	26.18
April	W	40.26	38.92	41.25	W
May	W	44.02	41.76	47.00	39.92
June	-	46.72	44.48	47.42	42.92
2nd quarter average	W	43.60	41.67	45.29	39.49
July	-	44.18	42.76	46.66	41.62
August	-	43.75	42.90	45.27	39.95
September	-	44.23	43.65	45.28	40.29
3rd quarter average	-	44.07	43.12	45.49	40.49
October	W	R48.24	R45.46	R48.12	44.07
November	W	R45.40	R45.31	R48.27	R42.19
December	W	W	47.28	51.12	46.35
4th quarter average	W	47.75	45.86	49.19	44.14
2016	W	40.58	40.94	45.53	38.60

- = No data reported.

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R = Revised data.

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Sources: U.S. Energy Information Administration, Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

Prices of Petroleum Products

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state
dollars per gallon excluding taxes

Geographic area month	Regular		Midgrade			Premium			All grades			
	Sales to end users		Sales to end users			Sales to end users		Sales to end users		Sales to end users		
	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale
United States												
December 2016	1.783	1.709	1.547	2.031	1.876	1.701	2.242	1.912	1.861	1.849	1.731	1.585
November 2016	1.685	1.622	1.384	1.987	1.798	1.552	2.199	1.868	1.744	1.760	1.651	1.427
December 2015	1.531	1.493	1.310	1.837	NA	1.502	2.039	NA	1.695	1.605	1.520	1.356
PAD District 1												
December 2016	1.712	1.586	1.565	1.967	W	1.718	2.186	W	1.909	1.780	1.617	1.606
November 2016	1.617	1.408	1.386	1.876	W	1.533	2.097	W	1.746	1.685	1.480	1.429
December 2015	1.445	1.314	1.282	1.687	W	1.432	1.897	W	1.644	1.510	NA	1.324
Subdistrict 1A												
December 2016	W	W	1.589	W	-	1.697	W	-	1.895	W	W	1.624
November 2016	W	W	1.446	W	-	1.551	W	-	1.768	W	W	1.483
December 2015	W	W	1.334	W	-	1.463	W	-	1.657	W	W	1.374
Connecticut												
December 2016	-	W	1.585	-	-	1.707	-	-	1.915	-	W	1.628
November 2016	-	W	1.444	-	-	1.559	-	-	1.785	-	W	1.490
December 2015	-	W	1.330	-	-	1.472	-	-	1.699	-	W	1.383
Maine												
December 2016	-	-	1.621	-	-	W	-	-	W	-	-	1.638
November 2016	-	-	1.483	-	-	W	-	-	W	-	-	1.500
December 2015	-	-	1.409	-	-	W	-	-	W	-	-	1.425
Massachusetts												
December 2016	W	-	1.594	W	-	1.693	W	-	1.873	W	-	1.633
November 2016	W	-	1.453	W	-	1.539	W	-	1.745	W	-	1.495
December 2015	W	-	1.332	W	-	1.441	W	-	1.605	W	-	1.367
New Hampshire												
December 2016	W	-	W	W	-	-	W	-	W	W	-	W
November 2016	W	-	W	W	-	-	W	-	W	W	-	W
December 2015	W	-	W	W	-	-	W	-	W	W	-	W
Rhode Island												
December 2016	W	-	W	W	-	W	W	-	W	W	-	W
November 2016	W	-	W	W	-	W	W	-	W	W	-	W
December 2015	W	-	W	W	-	W	W	-	W	W	-	W
Vermont												
December 2016	-	-	1.580	-	-	W	-	-	1.817	-	-	1.598
November 2016	-	-	1.452	-	-	W	-	-	1.685	-	-	1.470
December 2015	-	-	1.382	-	-	W	-	-	W	-	-	1.405
Subdistrict 1B												
December 2016	1.732	W	1.555	1.976	W	1.666	2.181	W	1.825	1.811	W	1.589
November 2016	1.664	W	1.405	1.900	W	1.507	2.106	W	1.702	1.741	1.543	1.442
December 2015	1.464	W	1.281	1.694	W	1.401	1.892	W	1.584	1.543	W	1.317
Delaware												
December 2016	W	-	1.575	W	-	1.678	W	-	1.761	W	-	1.595
November 2016	W	-	1.425	W	-	1.543	W	-	1.630	W	-	1.448
December 2015	W	-	1.298	W	-	1.417	W	-	1.502	W	-	1.319
District of Columbia												
December 2016	-	-	-	-	-	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-	-	-	-	-	-
Maryland												
December 2016	-	W	1.552	-	W	1.639	-	W	1.820	-	W	1.589
November 2016	-	W	1.380	-	W	1.452	-	W	1.658	-	W	1.420
December 2015	-	W	1.270	-	W	1.367	-	W	1.545	-	W	1.309
New Jersey												
December 2016	W	-	1.541	W	-	1.670	W	-	1.772	W	-	1.572
November 2016	W	-	1.395	W	-	1.538	W	-	1.656	W	-	1.428
December 2015	W	-	1.278	W	-	1.442	W	-	1.555	W	-	1.312
New York												
December 2016	1.753	-	1.585	2.002	-	1.778	2.205	-	1.897	1.836	-	1.633
November 2016	1.700	-	1.449	1.935	-	1.655	2.142	W	1.782	1.781	W	1.501
December 2015	1.457	-	1.327	1.690	-	1.516	1.887	-	1.657	1.540	-	1.375
Pennsylvania												
December 2016	W	-	1.544	W	-	1.664	W	-	1.804	W	-	1.564
November 2016	W	W	1.387	W	-	1.514	W	-	1.685	W	W	1.412
December 2015	W	-	1.246	W	-	1.373	W	-	1.553	W	-	1.268

See footnotes at end of table.

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state (cont.)
dollars per gallon excluding taxes

Geographic area month	Regular			Midgrade			Premium			All grades		
	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale	Sales to end users		Sales for resale
	Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]		Through retail outlets	Other end users[a]	
Subdistrict 1C												
December 2016	W	1.586	1.567	W	NA	1.737	W	W	1.965	W	1.618	1.612
November 2016	W	1.403	1.368	W	NA	1.541	W	W	1.770	W	1.476	1.415
December 2015	W	1.311	1.276	W	W	1.440	W	-	1.678	W	NA	1.323
Florida												
December 2016	W	W	1.592	W	-	1.794	W	W	1.995	W	W	1.642
November 2016	W	W	1.377	W	-	1.578	W	W	1.780	W	W	1.429
December 2015	W	W	1.321	W	-	1.511	W	-	1.722	W	W	1.372
Georgia												
December 2016	W	W	1.552	W	-	1.708	W	-	1.978	W	W	1.597
November 2016	W	W	1.367	W	-	1.511	W	-	1.797	W	W	1.416
December 2015	W	W	1.246	W	-	1.400	W	-	1.671	W	W	1.295
North Carolina												
December 2016	W	W	1.551	W	-	1.740	W	-	1.961	W	W	1.595
November 2016	W	W	1.351	W	-	1.554	W	-	1.774	W	W	1.397
December 2015	W	W	1.251	W	-	1.435	W	-	1.651	W	W	1.293
South Carolina												
December 2016	W	-	1.545	W	NA	1.736	W	-	1.948	W	NA	1.582
November 2016	W	-	1.362	W	NA	1.566	W	-	1.773	W	NA	1.401
December 2015	W	W	1.265	W	W	1.451	W	-	1.681	W	W	1.307
Virginia												
December 2016	W	-	1.569	W	-	1.696	W	-	1.896	W	-	1.610
November 2016	W	-	1.373	W	-	1.489	W	-	1.714	W	-	1.416
December 2015	W	-	1.260	W	-	1.399	W	-	1.621	W	-	1.307
West Virginia												
December 2016	W	-	1.566	W	-	1.759	W	-	2.009	W	-	1.588
November 2016	W	-	1.373	W	-	1.558	W	-	1.812	W	-	1.397
December 2015	W	-	1.226	W	-	1.397	W	-	1.653	W	-	1.251
PAD District 2												
December 2016	W	NA	1.529	1.999	W	1.647	2.272	W	1.874	W	NA	1.557
November 2016	1.563	1.632	1.332	1.826	W	1.486	2.095	W	1.783	1.602	1.660	1.369
December 2015	1.389	1.473	1.211	1.610	W	1.353	1.834	W	1.629	1.423	1.505	1.244
Illinois												
December 2016	W	NA	1.553	W	-	1.723	W	-	2.015	W	NA	1.597
November 2016	W	1.647	1.354	W	-	1.541	W	-	1.894	W	1.647	1.407
December 2015	W	1.498	1.257	W	-	1.451	W	-	1.802	W	1.498	1.309
Indiana												
December 2016	W	W	1.521	W	-	1.748	W	-	1.962	W	W	1.550
November 2016	W	W	1.327	W	-	1.574	W	-	1.846	W	W	1.364
December 2015	W	W	1.228	W	-	1.478	W	-	1.731	W	W	1.265
Iowa												
December 2016	-	W	1.508	-	-	1.610	-	-	1.726	-	W	1.529
November 2016	-	W	1.314	-	-	1.485	-	-	1.698	-	W	1.351
December 2015	-	W	1.202	-	-	1.321	-	-	1.470	-	W	1.231
Kansas												
December 2016	W	W	1.484	W	W	1.593	-	-	1.653	W	W	1.498
November 2016	W	W	1.277	W	W	1.455	-	-	1.589	W	W	1.304
December 2015	W	W	1.193	W	W	1.333	-	-	1.414	W	W	1.210
Kentucky												
December 2016	W	NA	1.626	W	-	1.780	W	W	2.091	W	NA	1.655
November 2016	W	1.613	1.417	W	-	1.574	W	W	1.883	W	1.616	1.448
December 2015	W	W	1.251	W	-	1.408	W	W	1.716	W	W	1.282
Michigan												
December 2016	W	W	1.540	W	-	1.753	W	NA	2.049	W	W	1.568
November 2016	W	W	1.339	W	-	1.568	W	W	1.909	W	W	1.372
December 2015	W	W	1.161	W	-	1.401	W	W	1.739	W	W	1.193
Minnesota												
December 2016	W	W	1.468	W	W	1.543	W	W	1.644	W	W	1.482
November 2016	W	W	1.276	W	W	1.379	W	W	1.560	W	W	1.299
December 2015	W	W	1.156	W	W	1.218	W	-	1.320	W	W	1.169
Missouri												
December 2016	-	NA	1.526	-	-	1.647	-	-	1.868	-	NA	1.548
November 2016	-	W	1.313	-	-	1.506	-	-	1.735	-	W	1.343
December 2015	-	W	1.242	-	-	1.393	-	-	1.578	-	W	1.267

See footnotes at end of table.

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state (cont.)
dollars per gallon excluding taxes

Geographic area month	Regular		Midgrade			Premium			All grades		
	Sales to end users		Sales to end users			Sales to end users		Sales to end users	Sales to end users		
	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]
PAD District 2 (cont.)											
Nebraska											
December 2016	W	W	1.501	W	-	1.648	W	-	1.727	W	W
November 2016	W	W	1.307	W	-	1.484	W	-	1.692	W	W
December 2015	W	W	1.211	W	-	1.377	W	W	1.500	W	W
North Dakota											
December 2016	W	W	1.439	W	W	1.570	W	W	1.849	W	W
November 2016	W	W	1.341	W	W	1.461	W	W	1.787	W	W
December 2015	W	W	1.212	W	W	1.302	W	W	1.508	W	W
Ohio											
December 2016	W	W	1.546	W	-	1.777	W	W	2.002	W	W
November 2016	W	W	1.341	W	-	1.579	W	W	1.887	W	W
December 2015	W	W	1.209	W	-	1.420	W	W	1.707	W	W
Oklahoma											
December 2016	W	W	1.501	W	-	1.600	W	-	NA	W	W
November 2016	W	W	1.308	W	-	1.473	W	-	1.593	W	W
December 2015	W	W	1.208	W	-	1.347	W	-	1.426	W	W
South Dakota											
December 2016	W	W	1.447	W	W	1.518	W	-	1.736	W	W
November 2016	W	W	1.293	W	W	1.428	W	-	1.715	W	W
December 2015	W	W	1.213	W	W	1.343	W	-	1.554	W	W
Tennessee											
December 2016	W	W	1.540	W	-	1.691	W	NA	1.909	W	W
November 2016	W	W	1.356	W	W	1.493	W	W	1.728	W	W
December 2015	W	W	1.214	W	-	1.350	W	W	1.577	W	W
Wisconsin											
December 2016	W	W	1.519	W	-	1.688	W	W	2.021	W	W
November 2016	W	W	1.321	W	-	1.505	W	W	1.866	W	W
December 2015	W	W	1.210	W	-	1.352	W	W	1.781	W	W
PAD District 3											
December 2016	1.646	1.596	1.515	NA	W	1.656	NA	NA	1.788	W	1.653
November 2016	1.580	1.513	1.334	1.814	W	1.455	2.008	W	1.617	1.632	1.570
December 2015	1.426	1.403	1.232	1.645	W	1.351	1.814	1.676	1.507	1.472	1.439
Alabama											
December 2016	W	W	1.553	W	W	1.785	W	W	2.028	W	W
November 2016	W	W	1.366	W	W	1.597	W	NA	1.836	W	W
December 2015	W	W	1.232	W	-	1.454	W	W	1.702	W	W
Arkansas											
December 2016	-	-	1.512	-	-	1.665	-	-	1.814	-	-
November 2016	W	-	1.307	W	-	1.468	W	-	1.678	W	-
December 2015	W	-	1.242	W	-	1.406	W	-	1.567	W	-
Louisiana											
December 2016	-	W	1.521	-	-	1.634	-	-	1.786	-	W
November 2016	-	W	1.334	-	-	1.436	-	-	1.540	-	W
December 2015	-	-	1.219	-	-	1.324	-	-	1.575	-	-
Mississippi											
December 2016	-	W	1.503	-	W	1.700	-	-	NA	-	W
November 2016	W	W	1.375	W	W	1.516	W	-	1.739	W	W
December 2015	W	W	1.232	W	-	1.386	W	-	1.480	W	W
New Mexico											
December 2016	NA	W	1.577	NA	W	1.690	NA	W	1.881	NA	W
November 2016	1.652	W	1.405	1.825	W	1.557	1.997	W	1.743	1.704	W
December 2015	1.527	W	1.309	W	W	1.464	W	W	1.593	W	W
Texas											
December 2016	W	NA	1.509	W	-	1.622	W	W	1.777	W	NA
November 2016	W	W	1.325	W	W	1.413	W	W	1.593	W	W
December 2015	W	1.360	1.230	W	W	1.320	W	W	1.481	W	1.391

See footnotes at end of table.

Table 31. Refiner motor gasoline prices by grade, sales type, PAD District, and state (cont.)
dollars per gallon excluding taxes

Geographic area month	Regular		Midgrade			Premium			All grades			
	Sales to end users		Sales to end users			Sales to end users		Sales to end users		Sales to end users		
	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale	Through retail outlets	Other end users[a]	Sales for resale
PAD District 4												
December 2016	1.712	1.515	1.432	1.874	W	1.627	W	W	1.737	1.795	1.564	1.488
November 2016	1.775	1.552	1.326	1.924	W	1.479	2.178	W	1.650	1.853	1.582	1.384
December 2015	1.558	1.547	1.280	1.707	W	1.422	1.894	W	1.581	1.628	1.573	1.333
Colorado												
December 2016	1.664	W	1.495	1.894	W	1.658	2.188	W	1.844	1.786	1.762	1.554
November 2016	1.652	1.698	1.333	1.876	W	1.479	2.179	W	1.722	1.773	1.693	1.400
December 2015	1.482	1.486	1.245	1.715	W	1.391	1.919	W	1.603	1.591	1.521	1.307
Idaho												
December 2016	W	W	1.440	W	-	1.604	W	W	1.679	W	W	1.475
November 2016	W	W	1.409	W	-	1.562	W	W	1.646	W	W	1.444
December 2015	W	W	1.365	W	-	1.527	W	W	1.566	W	W	1.393
Montana												
December 2016	W	W	1.442	W	W	1.588	W	W	1.890	W	W	1.526
November 2016	W	W	1.416	W	W	1.559	W	W	1.858	W	W	1.493
December 2015	W	W	1.298	W	-	1.425	W	W	1.647	W	W	1.360
Utah												
December 2016	W	W	1.351	W	NA	1.591	W	W	1.581	W	W	1.403
November 2016	W	W	1.278	W	W	1.474	W	W	1.504	W	W	1.328
December 2015	W	W	1.326	W	W	1.502	W	-	1.544	W	W	1.372
Wyoming												
December 2016	W	W	1.345	W	-	1.606	W	-	1.712	W	W	1.398
November 2016	W	W	1.211	W	-	1.417	W	-	1.581	W	W	1.266
December 2015	W	-	1.165	W	-	1.370	W	-	1.536	W	-	1.218
PAD District 5												
December 2016	2.011	1.834	1.615	W	NA	1.782	2.294	2.013	1.881	2.081	1.851	1.666
November 2016	2.070	1.753	1.540	2.209	NA	1.715	2.340	1.962	1.812	2.139	1.777	1.591
December 2015	2.033	NA	1.632	2.174	NA	1.842	2.296	NA	1.936	2.099	NA	1.689
Alaska												
December 2016	W	W	W	W	W	W	W	W	2.087	W	W	W
November 2016	W	W	W	W	W	W	W	W	2.095	W	W	W
December 2015	W	W	W	W	W	W	W	W	1.992	W	W	W
Arizona												
December 2016	NA	W	1.545	NA	W	1.684	NA	W	1.801	NA	W	1.577
November 2016	W	W	1.484	W	W	1.586	W	W	1.744	W	W	1.516
December 2015	W	W	1.389	W	W	1.483	W	W	1.642	W	W	1.419
California												
December 2016	2.034	1.726	1.665	W	-	1.810	W	-	1.923	W	1.726	1.721
November 2016	W	1.666	1.602	W	-	1.739	W	-	1.855	W	1.666	1.655
December 2015	W	1.815	1.749	W	W	1.943	W	W	2.033	W	1.837	1.809
Hawaii												
December 2016	W	W	W	W	W	W	W	-	W	W	W	W
November 2016	W	W	W	W	W	W	W	-	W	W	W	W
December 2015	W	W	W	W	W	W	W	W	W	W	W	W
Nevada												
December 2016	W	W	1.489	W	-	1.591	W	-	1.697	W	W	1.533
November 2016	W	W	1.469	W	W	1.634	W	W	1.691	W	W	1.517
December 2015	NA	1.694	1.584	NA	-	1.778	NA	W	1.810	NA	1.720	1.631
Oregon												
December 2016	1.932	-	1.521	2.116	-	1.694	2.239	-	1.776	1.977	-	1.550
November 2016	1.983	-	1.381	2.158	-	1.567	2.279	-	1.665	2.028	-	1.411
December 2015	1.836	-	1.498	1.983	-	1.659	2.097	-	1.749	1.874	-	1.527
Washington												
December 2016	1.893	W	1.514	2.064	W	1.697	2.192	W	1.789	1.945	W	1.561
November 2016	1.987	W	1.407	2.145	W	1.598	2.267	W	1.700	2.037	W	1.453
December 2015	1.756	W	1.426	1.878	W	1.603	2.002	W	1.710	1.801	W	1.474

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Sales to "other end users" are all end-user sales that were not made through company-operated retail outlets, e.g., sales to agricultural customers or utilities.

Notes: - Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2016 are final.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state
dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States						
December 2016	W	2.462	1.538	1.510	W	1.685
November 2016	W	2.433	1.426	1.406	W	1.485
December 2015	W	2.252	1.232	1.207	W	1.275
PAD District 1						
December 2016	W	2.573	1.535	1.520	W	1.760
November 2016	W	2.438	1.418	1.410	NA	1.634
December 2015	W	2.241	1.231	1.223	W	1.372
Subdistrict 1A						
December 2016	-	W	1.564	W	W	-
November 2016	W	W	1.474	1.444	W	W
December 2015	W	W	W	1.254	W	W
Connecticut						
December 2016	-	-	W	W	-	-
November 2016	-	-	W	W	-	W
December 2015	-	-	W	W	-	W
Maine						
December 2016	-	W	W	W	-	-
November 2016	W	W	W	W	-	-
December 2015	W	W	W	W	-	-
Massachusetts						
December 2016	-	-	W	W	W	-
November 2016	-	-	W	W	W	-
December 2015	-	-	W	W	W	-
New Hampshire						
December 2016	-	-	W	W	W	-
November 2016	-	-	W	W	W	-
December 2015	-	-	W	-	W	-
Rhode Island						
December 2016	-	-	W	W	W	-
November 2016	-	-	W	W	W	-
December 2015	-	-	W	W	W	-
Vermont						
December 2016	-	-	W	W	-	-
November 2016	-	-	W	W	-	-
December 2015	-	-	W	-	-	-
Subdistrict 1B						
December 2016	W	W	1.504	1.500	2.595	1.700
November 2016	-	W	1.396	1.388	2.373	1.579
December 2015	W	W	1.222	1.196	W	1.336
Delaware						
December 2016	-	-	-	-	W	-
November 2016	-	-	-	-	W	-
December 2015	-	-	-	-	W	-
District of Columbia						
December 2016	-	-	-	-	-	-
November 2016	-	-	-	-	-	-
December 2015	-	-	-	-	-	-
Maryland						
December 2016	-	-	W	1.511	-	W
November 2016	-	-	W	1.419	-	W
December 2015	-	-	W	W	-	W
New Jersey						
December 2016	-	-	1.502	1.483	W	W
November 2016	-	-	1.370	1.397	W	1.544
December 2015	-	-	1.191	1.204	W	W
New York						
December 2016	W	W	W	1.538	W	W
November 2016	-	W	W	1.446	W	W
December 2015	W	W	W	1.294	W	W
Pennsylvania						
December 2016	-	W	W	1.521	2.587	W
November 2016	-	W	W	1.370	2.285	1.764
December 2015	W	W	W	1.142	W	1.931

See footnotes at end of table.

Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state (cont.)
dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C						
December 2016	W	2.549	1.571	1.541	W	2.155
November 2016	W	2.402	1.434	1.460	W	NA
December 2015	W	2.214	1.234	1.246	W	1.549
Florida						
December 2016	-	2.494	1.595	1.548	W	-
November 2016	-	2.337	1.442	1.464	W	W
December 2015	W	2.145	1.236	1.244	W	-
Georgia						
December 2016	W	2.649	W	1.534	-	W
November 2016	W	W	W	1.443	-	W
December 2015	-	2.330	NA	1.236	W	W
North Carolina						
December 2016	W	W	W	W	W	W
November 2016	W	W	W	1.459	W	W
December 2015	W	W	W	1.303	W	W
South Carolina						
December 2016	-	-	W	1.520	W	W
November 2016	-	-	W	1.450	W	W
December 2015	-	-	W	1.250	W	W
Virginia						
December 2016	-	W	1.503	1.533	-	W
November 2016	-	W	1.413	1.429	W	W
December 2015	-	W	1.253	W	W	W
West Virginia						
December 2016	-	-	W	W	W	-
November 2016	-	-	W	W	W	-
December 2015	-	-	W	W	W	-
PAD District 2						
December 2016	W	2.457	1.521	1.532	W	2.075
November 2016	W	2.483	1.425	1.398	W	1.897
December 2015	W	2.257	1.217	1.154	W	1.780
Illinois						
December 2016	W	W	1.543	W	W	W
November 2016	W	W	1.433	W	W	W
December 2015	W	W	1.233	W	W	W
Indiana						
December 2016	-	-	NA	1.544	W	W
November 2016	-	-	1.435	1.391	W	W
December 2015	-	-	1.249	1.183	W	W
Iowa						
December 2016	-	-	1.602	W	-	W
November 2016	-	-	W	W	-	W
December 2015	-	-	W	W	-	-
Kansas						
December 2016	W	W	W	W	-	W
November 2016	W	W	W	W	-	W
December 2015	W	W	W	W	-	1.573
Kentucky						
December 2016	-	W	W	1.481	W	W
November 2016	-	W	W	1.402	W	W
December 2015	-	W	W	W	W	W
Michigan						
December 2016	W	-	1.511	1.501	W	W
November 2016	-	-	W	1.360	W	W
December 2015	-	-	W	1.154	W	W
Minnesota						
December 2016	-	W	W	W	W	W
November 2016	W	W	W	W	W	W
December 2015	W	W	1.147	W	W	NA
Missouri						
December 2016	W	-	W	W	-	W
November 2016	W	W	W	W	-	-
December 2015	W	-	W	W	-	W

See footnotes at end of table.

Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state (cont.)
dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)						
Nebraska						
December 2016	W	-	W	W	-	-
November 2016	W	-	W	W	-	-
December 2015	W	-	W	W	-	-
North Dakota						
December 2016	-	-	W	W	-	W
November 2016	-	-	W	W	-	W
December 2015	-	-	W	W	-	W
Ohio						
December 2016	-	-	1.534	1.486	W	W
November 2016	W	-	1.430	1.353	W	W
December 2015	-	-	1.228	W	W	W
Oklahoma						
December 2016	W	-	W	1.532	-	W
November 2016	W	-	W	1.436	-	W
December 2015	W	-	W	1.160	-	W
South Dakota						
December 2016	-	-	W	-	-	W
November 2016	-	-	W	W	-	-
December 2015	-	-	1.383	W	-	-
Tennessee						
December 2016	W	2.636	W	1.513	W	W
November 2016	-	W	W	1.431	W	W
December 2015	W	W	W	1.233	W	W
Wisconsin						
December 2016	-	-	W	W	W	1.935
November 2016	-	-	W	W	W	W
December 2015	-	-	W	W	W	W
PAD District 3						
December 2016	W	2.362	1.512	1.465	-	1.535
November 2016	W	2.244	1.397	1.373	-	1.337
December 2015	W	2.052	1.190	1.195	W	1.129
Alabama						
December 2016	-	W	1.494	1.527	-	W
November 2016	-	W	1.379	1.434	-	1.627
December 2015	-	W	1.193	1.246	W	W
Arkansas						
December 2016	W	-	W	W	-	W
November 2016	W	W	W	W	-	-
December 2015	W	-	W	W	-	-
Louisiana						
December 2016	W	2.465	1.439	1.432	-	W
November 2016	-	2.305	1.378	1.375	-	W
December 2015	-	2.114	1.199	1.181	-	W
Mississippi						
December 2016	-	W	1.502	1.469	-	W
November 2016	-	W	1.359	1.357	-	W
December 2015	-	W	1.116	1.158	-	W
New Mexico						
December 2016	W	-	W	W	-	-
November 2016	W	-	W	W	-	-
December 2015	W	-	W	1.314	-	-
Texas						
December 2016	W	W	1.530	1.482	-	W
November 2016	W	2.234	1.404	1.372	-	NA
December 2015	W	W	1.197	1.209	-	1.435

See footnotes at end of table.

Table 32. Refiner prices of aviation fuels and kerosene by PAD District and state (cont.)
dollars per gallon excluding taxes

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4						
December 2016	W	W	1.581	1.572	-	-
November 2016	W	W	1.468	1.459	-	-
December 2015	W	W	1.280	1.266	-	-
Colorado						
December 2016	W	-	1.549	1.567	-	-
November 2016	W	-	1.441	1.451	-	-
December 2015	W	-	1.265	1.229	-	-
Idaho						
December 2016	-	-	W	1.694	-	-
November 2016	-	-	W	1.592	-	-
December 2015	-	-	W	1.442	-	-
Montana						
December 2016	NA	W	W	W	-	-
November 2016	W	W	W	W	-	-
December 2015	-	W	W	W	-	-
Utah						
December 2016	W	W	1.578	1.572	-	-
November 2016	W	W	1.466	1.461	-	-
December 2015	-	W	1.276	1.371	-	-
Wyoming						
December 2016	-	-	W	W	-	-
November 2016	-	-	W	W	-	-
December 2015	-	-	W	W	-	-
PAD District 5						
December 2016	W	2.446	1.561	1.554	W	W
November 2016	W	2.610	1.445	1.444	W	W
December 2015	W	2.816	1.269	1.241	-	W
Alaska						
December 2016	W	-	W	W	-	-
November 2016	W	W	W	W	-	-
December 2015	W	W	W	1.345	-	-
Arizona						
December 2016	W	W	1.595	1.588	-	-
November 2016	W	W	1.473	1.473	-	-
December 2015	W	W	1.252	1.314	-	-
California						
December 2016	-	W	1.543	1.543	-	W
November 2016	-	2.581	1.425	1.434	-	W
December 2015	-	2.891	1.245	1.224	-	W
Hawaii						
December 2016	-	NA	W	W	-	-
November 2016	-	NA	W	W	-	-
December 2015	-	W	W	W	-	-
Nevada						
December 2016	-	-	W	W	-	-
November 2016	-	-	W	W	-	-
December 2015	-	-	W	W	-	-
Oregon						
December 2016	-	2.596	1.595	1.584	-	-
November 2016	-	2.720	1.489	1.475	-	-
December 2015	-	3.009	1.295	W	-	-
Washington						
December 2016	-	W	1.533	1.554	W	-
November 2016	-	W	1.430	1.469	W	-
December 2015	-	W	1.242	1.238	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2016 are final.

Sources: U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 33. Refiner prices of distillate fuels by PAD District and state
dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States						
December 2016	NA	1.851	1.719	1.597	-	W
November 2016	2.050	1.672	1.601	1.464	-	W
December 2015	NA	1.516	1.368	1.173	-	0.953
PAD District 1						
December 2016	W	W	1.815	1.621	-	-
November 2016	W	W	1.689	1.476	-	-
December 2015	-	1.561	1.509	1.176	-	-
Subdistrict 1A						
December 2016	-	W	1.947	1.635	-	-
November 2016	W	W	1.829	1.465	-	-
December 2015	-	W	1.740	1.190	-	-
Connecticut						
December 2016	-	-	W	1.605	-	-
November 2016	-	-	W	1.453	-	-
December 2015	-	-	W	1.156	-	-
Maine						
December 2016	-	W	-	1.767	-	-
November 2016	W	W	W	1.518	-	-
December 2015	-	-	-	1.483	-	-
Massachusetts						
December 2016	-	-	W	1.712	-	-
November 2016	-	-	W	1.527	-	-
December 2015	-	-	W	1.251	-	-
New Hampshire						
December 2016	-	W	W	W	-	-
November 2016	-	-	W	W	-	-
December 2015	-	-	W	W	-	-
Rhode Island						
December 2016	-	-	W	W	-	-
November 2016	-	-	W	W	-	-
December 2015	-	-	W	W	-	-
Vermont						
December 2016	-	W	W	W	-	-
November 2016	-	W	W	W	-	-
December 2015	-	W	W	W	-	-
Subdistrict 1B						
December 2016	W	W	1.815	1.591	-	-
November 2016	W	W	1.661	1.457	-	-
December 2015	-	W	1.512	1.165	-	-
Delaware						
December 2016	-	-	W	1.602	-	-
November 2016	-	-	W	1.410	-	-
December 2015	-	-	W	1.080	-	-
District of Columbia						
December 2016	-	-	-	W	-	-
November 2016	-	-	-	W	-	-
December 2015	-	-	-	W	-	-
Maryland						
December 2016	-	-	W	1.622	-	-
November 2016	-	-	W	1.466	-	-
December 2015	-	-	W	1.142	-	-
New Jersey						
December 2016	-	-	1.832	1.574	-	-
November 2016	-	-	1.649	1.446	-	-
December 2015	-	W	1.500	1.149	-	-
New York						
December 2016	-	W	1.914	1.619	-	-
November 2016	-	W	1.802	1.467	-	-
December 2015	-	W	1.649	1.192	-	-
Pennsylvania						
December 2016	W	W	1.740	1.599	-	-
November 2016	W	W	1.599	1.467	-	-
December 2015	-	-	1.450	1.184	-	-

See footnotes at end of table.

Table 33. Refiner prices of distillate fuels by PAD District and state (cont.)
dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C						
December 2016	-	W	1.810	1.665	-	-
November 2016	-	W	1.701	1.504	-	-
December 2015	-	W	1.501	1.188	-	-
Florida						
December 2016	-	-	1.805	1.696	-	-
November 2016	-	-	1.643	1.536	-	-
December 2015	-	-	1.441	1.264	-	-
Georgia						
December 2016	-	W	1.705	1.655	-	-
November 2016	-	W	1.646	1.498	-	-
December 2015	-	W	1.446	1.152	-	-
North Carolina						
December 2016	-	-	1.823	1.631	-	-
November 2016	-	-	1.728	1.486	-	-
December 2015	-	-	1.502	1.163	-	-
South Carolina						
December 2016	-	-	W	1.654	-	-
November 2016	-	-	W	1.489	-	-
December 2015	-	-	W	1.162	-	-
Virginia						
December 2016	-	-	1.734	1.656	-	-
November 2016	-	-	1.687	1.482	-	-
December 2015	-	-	1.502	1.145	-	-
West Virginia						
December 2016	-	-	W	1.668	-	-
November 2016	-	-	W	1.468	-	-
December 2015	-	-	W	1.121	-	-
PAD District 2						
December 2016	2.198	1.838	1.689	1.586	-	W
November 2016	2.048	1.617	1.544	1.420	-	W
December 2015	1.881	1.507	1.319	1.146	-	W
Illinois						
December 2016	W	W	W	1.550	-	-
November 2016	W	W	1.636	1.365	-	-
December 2015	W	1.990	1.525	1.122	-	-
Indiana						
December 2016	-	W	W	1.556	-	-
November 2016	-	W	W	1.380	-	-
December 2015	-	W	W	1.126	-	-
Iowa						
December 2016	-	1.822	1.693	1.622	-	-
November 2016	-	1.589	1.508	1.456	-	-
December 2015	W	1.460	1.247	1.184	-	-
Kansas						
December 2016	-	1.829	W	1.589	-	-
November 2016	-	1.664	W	1.418	-	-
December 2015	-	1.477	1.115	1.159	-	-
Kentucky						
December 2016	-	W	W	1.635	-	W
November 2016	W	W	W	1.481	-	W
December 2015	-	W	W	1.161	-	W
Michigan						
December 2016	W	NA	W	1.598	-	-
November 2016	W	W	W	1.418	-	-
December 2015	W	1.930	W	1.140	-	-
Minnesota						
December 2016	2.298	1.807	1.687	1.612	-	-
November 2016	1.929	1.577	1.606	1.458	-	-
December 2015	1.703	1.412	1.277	1.216	-	-
Missouri						
December 2016	-	1.883	NA	1.608	-	-
November 2016	-	1.701	W	1.442	-	-
December 2015	-	1.490	W	1.158	-	-

See footnotes at end of table.

Table 33. Refiner prices of distillate fuels by PAD District and state (cont.)
dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)						
Nebraska						
December 2016	W	1.820	W	1.625	-	-
November 2016	W	1.636	W	1.454	-	-
December 2015	W	1.482	W	1.182	-	-
North Dakota						
December 2016	W	1.748	W	1.472	-	-
November 2016	-	1.530	W	1.397	-	-
December 2015	W	1.511	W	1.236	-	-
Ohio						
December 2016	-	W	1.714	1.596	-	-
November 2016	-	W	1.547	1.409	-	-
December 2015	-	W	1.358	1.121	-	-
Oklahoma						
December 2016	-	W	W	1.560	-	-
November 2016	-	W	W	1.403	-	-
December 2015	-	W	W	1.122	-	-
South Dakota						
December 2016	W	1.823	W	1.615	-	-
November 2016	W	1.620	W	1.475	-	-
December 2015	W	1.503	1.727	1.219	-	-
Tennessee						
December 2016	-	W	1.780	1.636	-	-
November 2016	-	-	1.616	1.494	-	-
December 2015	-	W	1.352	1.151	-	-
Wisconsin						
December 2016	W	W	1.634	1.613	-	-
November 2016	W	W	1.459	1.430	-	-
December 2015	W	1.468	1.534	1.164	-	-
PAD District 3						
December 2016	-	W	1.670	1.564	-	W
November 2016	-	W	1.529	1.452	-	W
December 2015	-	-	1.189	1.160	-	W
Alabama						
December 2016	-	-	1.690	1.659	-	-
November 2016	-	-	1.574	1.477	-	-
December 2015	-	-	1.271	1.130	-	-
Arkansas						
December 2016	-	-	W	1.599	-	-
November 2016	-	-	W	1.454	-	-
December 2015	-	-	W	1.168	-	-
Louisiana						
December 2016	-	W	1.740	1.526	-	-
November 2016	-	W	1.568	1.428	-	-
December 2015	-	-	W	1.140	-	-
Mississippi						
December 2016	-	-	W	1.579	-	-
November 2016	-	-	W	1.457	-	-
December 2015	-	-	1.142	1.179	-	-
New Mexico						
December 2016	-	-	NA	1.665	-	-
November 2016	-	-	NA	1.509	-	-
December 2015	-	-	1.330	1.192	-	-
Texas						
December 2016	-	-	1.657	1.570	-	W
November 2016	-	-	1.503	1.460	-	W
December 2015	-	-	1.163	1.166	-	W

See footnotes at end of table.

Table 33. Refiner prices of distillate fuels by PAD District and state (cont.)
dollars per gallon excluding taxes

Geographic area month	No. 1 distillate		No. 2 distillate[a]		No. 4 fuel[b]	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4						
December 2016	2.048	1.869	1.659	1.585	-	-
November 2016	1.941	1.693	1.541	1.438	-	-
December 2015	1.805	1.574	1.307	1.218	-	-
Colorado						
December 2016	W	1.875	1.656	1.623	-	-
November 2016	W	1.711	1.529	1.466	-	-
December 2015	W	1.461	1.282	1.134	-	-
Idaho						
December 2016	W	1.991	1.799	1.590	-	-
November 2016	W	1.846	1.700	1.433	-	-
December 2015	W	1.876	1.476	1.343	-	-
Montana						
December 2016	W	1.780	1.723	1.524	-	-
November 2016	W	1.595	W	1.454	-	-
December 2015	W	1.564	1.459	1.271	-	-
Utah						
December 2016	W	2.023	1.629	1.565	-	-
November 2016	W	1.864	1.519	1.443	-	-
December 2015	W	1.718	1.307	1.217	-	-
Wyoming						
December 2016	-	1.881	1.629	1.603	-	-
November 2016	-	1.669	1.474	1.377	-	-
December 2015	-	1.615	1.244	1.281	-	-
PAD District 5						
December 2016	NA	1.876	1.787	1.692	-	-
November 2016	W	1.823	1.758	1.589	-	-
December 2015	W	1.491	1.551	1.246	-	-
Alaska						
December 2016	W	W	W	W	-	-
November 2016	W	W	W	W	-	-
December 2015	W	1.538	W	W	-	-
Arizona						
December 2016	-	-	NA	1.717	-	-
November 2016	-	-	NA	1.724	-	-
December 2015	-	-	1.482	1.295	-	-
California						
December 2016	-	-	1.759	1.704	-	-
November 2016	-	-	1.668	1.603	-	-
December 2015	-	-	1.469	1.266	-	-
Hawaii						
December 2016	-	-	W	W	-	-
November 2016	-	-	W	W	-	-
December 2015	-	-	W	W	-	-
Nevada						
December 2016	-	-	1.855	1.677	-	-
November 2016	-	-	1.727	1.578	-	-
December 2015	-	-	1.418	1.265	-	-
Oregon						
December 2016	-	W	1.867	1.674	-	-
November 2016	-	W	1.764	1.585	-	-
December 2015	-	W	1.570	1.180	-	-
Washington						
December 2016	W	W	1.829	1.639	-	-
November 2016	W	W	1.738	1.511	-	-
December 2015	W	W	1.422	1.172	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales of No. 2 fuel oil and diesel fuels.

[b] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2016 are final.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

Volume of Petroleum Products

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state
thousand gallons per day

Geographic area month	Regular			Midgrade						
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States										
December 2016	19,640.1	19,869.5	17,598.6	227,229.5	15,936.3	1,703.6	1,715.3	302.6	2,249.9	-
November 2016	20,060.6	20,279.5	17,387.5	228,326.2	16,461.3	1,723.9	1,739.5	303.1	2,352.1	-
December 2015	20,608.3	20,879.4	17,862.6	222,861.4	21,902.1	1,741.9	1,751.2	340.1	2,460.8	-
PAD District 1										
December 2016	6,560.6	6,572.8	W	W	2,021.1	573.8	578.0	W	W	-
November 2016	6,723.4	6,735.5	W	W	2,247.6	577.0	581.8	W	W	-
December 2015	6,906.6	6,919.7	W	66,542.8	W	591.7	594.2	W	W	-
Subdistrict 1A										
December 2016	W	W	W	W	W	W	W	W	W	-
November 2016	W	W	W	W	W	W	W	-	35.3	-
December 2015	W	W	W	W	W	W	W	W	W	-
Connecticut										
December 2016	-	W	W	W	W	-	-	W	W	-
November 2016	-	W	W	W	W	-	-	-	19.4	-
December 2015	-	W	W	2,076.6	W	-	-	W	W	-
Maine										
December 2016	-	-	-	-	581.4	-	-	-	W	-
November 2016	-	-	-	-	561.7	-	-	-	W	-
December 2015	-	-	-	-	541.4	-	-	-	W	-
Massachusetts										
December 2016	W	W	W	W	W	-	W	W	-	5.3
November 2016	W	W	W	W	W	-	W	W	-	4.7
December 2015	W	W	-	-	862.5	-	W	W	-	6.6
New Hampshire										
December 2016	W	W	W	W	-	W	W	-	-	-
November 2016	W	W	W	W	-	W	W	-	-	-
December 2015	W	W	-	-	W	-	W	W	-	-
Rhode Island										
December 2016	W	W	W	762.2	W	W	W	-	W	-
November 2016	W	W	W	726.6	W	W	W	-	W	-
December 2015	W	W	W	W	W	W	W	-	W	-
Vermont										
December 2016	-	-	W	W	-	-	-	-	W	-
November 2016	-	-	W	W	-	-	-	-	W	-
December 2015	-	-	-	-	81.1	-	-	-	W	-
Subdistrict 1B										
December 2016	3,154.7	3,156.3	W	21,273.1	W	340.5	340.6	W	W	-
November 2016	3,108.0	3,108.7	W	21,001.5	W	332.6	332.7	W	W	-
December 2015	3,079.4	3,080.5	W	W	2,256.7	337.3	337.5	W	W	-
Delaware										
December 2016	W	W	-	946.4	-	W	W	-	9.9	-
November 2016	W	W	-	957.0	-	W	W	-	10.7	-
December 2015	W	W	-	906.6	-	W	W	-	9.8	-
District of Columbia										
December 2016	-	-	-	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-	-	-	-
Maryland										
December 2016	-	W	W	W	NA	-	W	-	64.2	-
November 2016	-	W	W	W	W	-	W	-	72.7	-
December 2015	-	W	W	W	W	-	W	-	74.2	-
New Jersey										
December 2016	W	W	W	6,760.2	W	W	W	W	W	-
November 2016	W	W	W	W	207.3	W	W	W	W	-
December 2015	W	W	W	6,819.9	W	W	W	W	W	-
New York										
December 2016	1,937.1	1,937.1	W	4,856.0	W	216.2	216.2	W	W	-
November 2016	1,884.1	1,884.1	W	4,965.3	W	210.8	210.8	W	W	-
December 2015	1,871.6	1,871.6	W	5,102.6	W	213.9	213.9	W	W	-
Pennsylvania										
December 2016	W	W	-	W	W	W	W	-	31.9	-
November 2016	W	W	-	W	W	W	W	-	30.3	-
December 2015	W	W	-	W	W	W	W	-	34.9	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium						All grades					
	Sales to end users		Sales for resale			Through retail outlets	Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk		Total[a]	DTW	Rack	Bulk		
United States												
December 2016	2,522.9	2,540.5	4,921.0	27,491.1	2,572.4	23,866.6	24,125.1	22,822.1	256,970.5	18,508.6		
November 2016	2,579.9	2,599.3	4,851.3	28,207.1	1,693.2	24,364.5	24,618.4	22,541.9	258,885.5	18,154.5		
December 2015	2,621.2	2,655.2	4,741.8	27,201.0	2,553.4	24,971.4	25,285.8	22,944.5	252,523.0	24,455.5		
PAD District 1												
December 2016	826.7	826.9	W	8,628.7	W	7,961.2	7,977.7	W	76,366.7	W		
November 2016	843.5	843.8	W	8,824.6	W	8,143.8	8,161.0	W	75,854.7	W		
December 2015	896.0	896.1	W	W	W	8,394.3	8,410.0	W	76,020.6	W		
Subdistrict 1A												
December 2016	W	W	W	W	W	-	W	W	W	W	W	W
November 2016	W	W	W	W	W	-	W	W	W	4,919.5	W	
December 2015	W	W	W	W	W	W	W	W	W	4,817.8	W	
Connecticut												
December 2016	-	-	W	W	-	-	W	W	W	2,475.8	W	
November 2016	-	-	W	W	-	-	W	W	W	2,489.8	W	
December 2015	-	-	W	W	W	-	W	W	W	2,445.8	W	
Maine												
December 2016	-	-	W	32.9	-	-	-	W	W	W	W	-
November 2016	-	-	W	32.1	-	-	-	W	W	W	W	-
December 2015	-	-	-	W	-	-	-	-	-	575.3	-	-
Massachusetts												
December 2016	W	W	W	W	W	-	W	W	W	W	-	-
November 2016	W	W	W	W	W	-	W	W	W	W	-	-
December 2015	W	W	-	125.3	-	W	W	W	-	994.5	-	-
New Hampshire												
December 2016	W	W	W	W	-	W	W	W	W	W	-	-
November 2016	W	W	W	W	-	W	W	W	W	W	-	-
December 2015	W	W	-	W	-	W	W	W	-	W	-	-
Rhode Island												
December 2016	W	W	W	W	W	-	W	W	W	897.8	W	
November 2016	W	W	W	W	W	-	W	W	W	858.7	W	
December 2015	W	W	W	W	W	W	W	W	W	W	W	
Vermont												
December 2016	-	-	W	W	-	-	-	W	W	W	-	-
November 2016	-	-	W	W	-	-	-	W	W	W	-	-
December 2015	-	-	-	W	-	-	-	-	-	86.2	-	-
Subdistrict 1B												
December 2016	522.8	522.9	W	W	W	4,018.0	4,019.8	W	24,257.8	W		
November 2016	519.4	519.6	W	W	W	3,960.0	3,961.0	W	24,068.6	W		
December 2015	549.2	549.3	W	2,863.3	W	3,965.9	3,967.3	W	24,346.9	W		
Delaware												
December 2016	W	W	-	105.1	-	W	W	-	1,061.3	-		
November 2016	W	W	-	118.5	-	W	W	-	1,086.2	-		
December 2015	W	W	-	98.7	-	W	W	-	1,015.2	-		
District of Columbia												
December 2016	-	-	-	-	-	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-	-	-	-	-	-
Maryland												
December 2016	-	W	-	W	W	-	W	W	W	4,286.5	W	
November 2016	-	W	-	W	W	-	W	W	W	4,142.0	W	
December 2015	-	W	-	W	W	-	W	W	W	W	W	
New Jersey												
December 2016	W	W	W	W	W	W	W	W	W	7,736.3	W	
November 2016	W	W	W	W	W	W	W	W	W	207.3	W	
December 2015	W	W	W	962.7	W	W	W	W	W	587.7	W	
New York												
December 2016	337.4	337.4	W	W	W	2,490.6	2,490.6	W	5,605.2	W		
November 2016	333.9	334.1	W	W	W	2,428.8	2,429.0	W	5,728.0	W		
December 2015	353.9	353.9	W	W	W	2,439.4	2,439.4	W	5,850.6	W		
Pennsylvania												
December 2016	W	W	-	W	W	W	W	-	W	W	W	
November 2016	W	W	-	537.4	-	W	W	-	W	W	W	
December 2015	W	W	-	489.4	-	W	W	-	W	W	W	

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C										
December 2016	W	W	-	W	W	W	W	-	465.9	-
November 2016	W	W	W	41,098.6	W	W	W	W	W	-
December 2015	W	W	W	41,057.3	W	W	W	W	W	-
Florida										
December 2016	W	W	-	14,031.5	-	W	W	-	106.6	-
November 2016	W	W	-	13,860.7	-	W	W	-	118.5	-
December 2015	W	W	W	W	W	W	W	-	120.2	-
Georgia										
December 2016	W	W	-	W	W	W	W	-	60.2	-
November 2016	W	66.3	W	W	W	W	W	W	W	-
December 2015	W	120.3	W	W	-	W	W	W	W	-
North Carolina										
December 2016	W	W	-	8,404.8	-	W	W	-	133.8	-
November 2016	W	W	-	8,642.9	-	W	W	-	154.5	-
December 2015	W	W	-	8,363.3	-	W	W	-	137.6	-
South Carolina										
December 2016	W	W	-	W	W	W	W	-	41.9	-
November 2016	W	W	-	3,903.0	-	W	W	-	46.6	-
December 2015	W	W	-	3,992.5	-	W	W	-	53.0	-
Virginia										
December 2016	W	W	-	6,414.7	-	W	W	-	114.8	-
November 2016	W	W	-	W	W	W	W	-	113.3	-
December 2015	W	W	W	W	-	W	W	-	120.2	-
West Virginia										
December 2016	W	W	-	779.2	-	W	W	-	8.6	-
November 2016	W	W	-	782.1	-	W	W	-	8.9	-
December 2015	W	W	-	696.4	-	W	W	-	9.0	-
PAD District 2										
December 2016	W	W	W	W	W	1,192.1	327.5	331.9	W	W
November 2016	8,030.7	8,146.3	W	W	W	1,092.2	339.4	344.1	W	W
December 2015	8,366.8	8,470.3	W	W	W	2,467.4	368.2	371.4	W	W
Illinois										
December 2016	W	W	-	W	W	W	W	-	103.4	-
November 2016	W	W	-	W	W	W	W	-	109.5	-
December 2015	W	W	-	W	W	W	W	-	122.1	-
Indiana										
December 2016	W	W	-	W	W	W	W	-	39.0	-
November 2016	W	W	-	W	W	W	W	-	42.3	-
December 2015	W	W	-	5,472.7	-	W	W	-	39.4	-
Iowa										
December 2016	-	W	-	2,844.2	-	-	-	-	66.1	-
November 2016	-	W	-	2,903.2	-	-	-	-	54.9	-
December 2015	-	W	-	2,632.9	-	-	-	-	80.6	-
Kansas										
December 2016	W	W	-	W	W	W	W	-	28.0	-
November 2016	W	W	-	W	W	W	W	-	29.7	-
December 2015	W	W	-	W	W	W	W	-	32.6	-
Kentucky										
December 2016	W	W	-	W	W	W	W	-	13.1	-
November 2016	W	W	-	W	W	W	W	-	14.7	-
December 2015	W	W	-	W	W	W	W	-	18.3	-
Michigan										
December 2016	W	W	-	9,544.9	-	W	W	-	16.0	-
November 2016	W	W	-	9,637.4	-	W	W	-	17.9	-
December 2015	W	W	-	W	W	W	W	-	22.9	-
Minnesota										
December 2016	W	W	W	5,299.0	W	W	W	W	W	-
November 2016	W	W	W	5,142.1	W	W	W	W	W	-
December 2015	W	W	W	5,081.1	W	W	W	W	W	-
Missouri										
December 2016	-	NA	-	3,340.3	-	-	-	-	20.0	-
November 2016	-	W	-	3,454.9	-	-	-	-	20.3	-
December 2015	-	W	-	2,962.0	-	-	-	-	19.3	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium						All grades					
	Sales to end users			Sales for resale			Sales to end users			Sales for resale		
	Through retail outlets	Total[a]		DTW	Rack	Bulk	Through retail outlets	Total[a]		DTW	Rack	Bulk
Subdistrict 1C												
December 2016	W	W	-	5,137.2	-	W	W	-	W	W	W	W
November 2016	W	W	W	W	W	-	W	W	W	46,866.6	W	W
December 2015	W	W	W	W	W	-	W	W	W	46,855.8	W	W
Florida												
December 2016	W	W	-	1,952.8	-	W	W	-	16,091.0	-	-	-
November 2016	W	W	-	1,976.7	-	W	W	-	15,955.8	-	-	-
December 2015	W	W	W	W	W	-	W	W	W	15,842.2	W	W
Georgia												
December 2016	W	W	-	903.5	-	W	W	-	W	W	W	W
November 2016	W	W	W	W	W	-	W	75.7	W	W	-	-
December 2015	W	W	W	W	W	-	W	135.2	W	W	-	-
North Carolina												
December 2016	W	W	-	934.7	-	W	W	-	9,473.2	-	-	-
November 2016	W	W	-	997.6	-	W	W	-	9,795.0	-	-	-
December 2015	W	W	-	920.9	-	W	W	-	9,421.8	-	-	-
South Carolina												
December 2016	W	W	-	406.4	-	W	W	-	W	W	W	W
November 2016	W	W	-	393.9	-	W	W	-	4,343.5	-	-	-
December 2015	W	W	-	430.6	-	W	W	-	4,476.1	-	-	-
Virginia												
December 2016	W	W	-	903.3	-	W	W	-	7,432.8	-	-	-
November 2016	W	W	-	913.9	-	W	W	-	W	W	-	-
December 2015	W	W	-	945.9	-	W	W	-	W	W	-	-
West Virginia												
December 2016	W	W	-	36.5	-	W	W	-	824.3	-	-	-
November 2016	W	W	-	41.7	-	W	W	-	832.7	-	-	-
December 2015	W	W	-	40.9	-	W	W	-	746.3	-	-	-
PAD District 2												
December 2016	437.5	W	W	6,049.6	W	W	8,797.8	W	83,370.1	W	W	W
November 2016	476.6	485.0	W	6,370.0	W	W	8,846.7	8,975.5	W	84,105.1	W	W
December 2015	509.1	519.0	W	5,980.5	W	W	9,244.1	9,360.7	W	80,443.6	W	W
Illinois												
December 2016	W	W	-	1,186.4	-	W	W	-	W	W	W	W
November 2016	W	W	-	1,211.7	-	W	W	-	W	W	W	W
December 2015	W	W	-	W	W	W	W	-	W	W	W	W
Indiana												
December 2016	W	W	-	397.3	-	W	W	-	W	W	W	W
November 2016	W	W	-	427.9	-	W	W	-	W	W	W	W
December 2015	W	W	-	417.5	-	W	W	-	5,929.6	-	-	-
Iowa												
December 2016	-	-	-	274.1	-	-	W	-	3,184.4	-	-	-
November 2016	-	-	-	285.7	-	-	W	-	3,243.8	-	-	-
December 2015	-	-	-	290.5	-	-	W	-	3,003.9	-	-	-
Kansas												
December 2016	-	-	-	W	W	W	W	-	4,243.5	83.3	-	-
November 2016	-	-	-	W	W	W	W	-	4,318.1	196.0	-	-
December 2015	-	-	-	W	W	W	W	-	4,230.9	397.0	-	-
Kentucky												
December 2016	W	W	-	219.7	-	W	W	-	W	W	W	W
November 2016	W	W	-	W	W	W	W	-	W	W	W	W
December 2015	W	W	-	W	W	W	W	-	W	W	W	W
Michigan												
December 2016	W	W	-	W	W	W	W	-	W	W	W	W
November 2016	W	W	-	W	W	W	W	-	W	W	W	W
December 2015	W	W	-	532.8	-	W	W	-	W	W	W	W
Minnesota												
December 2016	W	W	W	W	W	W	W	W	W	5,814.3	W	W
November 2016	W	W	W	W	W	W	W	W	W	5,642.8	W	W
December 2015	W	W	W	W	W	W	W	W	W	5,524.9	W	W
Missouri												
December 2016	-	-	-	221.7	-	-	NA	-	3,582.0	-	-	-
November 2016	-	-	-	251.4	-	-	W	-	3,726.6	-	-	-
December 2015	-	-	-	227.5	-	-	W	-	3,208.8	-	-	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Regular					Midgrade				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)										
Nebraska										
December 2016	W	W	-	1,591.4	-	W	W	-	25.0	-
November 2016	W	W	-	1,715.8	-	W	W	-	38.1	-
December 2015	W	W	-	1,350.0	-	W	W	-	28.8	-
North Dakota										
December 2016	W	W	W	W	-	W	W	-	29.4	-
November 2016	W	W	W	W	-	W	W	-	27.9	-
December 2015	W	W	W	W	-	W	W	-	31.8	-
Ohio										
December 2016	W	W	-	W	W	W	W	-	48.8	-
November 2016	W	W	-	W	W	W	W	-	55.0	-
December 2015	W	W	-	9,179.1	-	W	W	-	54.0	-
Oklahoma										
December 2016	W	W	-	W	W	W	W	-	6.3	-
November 2016	W	W	-	W	W	W	W	-	6.2	-
December 2015	W	W	-	W	W	W	W	-	7.6	-
South Dakota										
December 2016	W	W	-	902.0	-	W	W	-	36.7	-
November 2016	W	W	-	931.0	-	W	W	-	40.4	-
December 2015	W	W	-	824.2	-	W	W	-	31.3	-
Tennessee										
December 2016	W	W	-	W	W	W	W	-	77.8	-
November 2016	W	520.0	W	W	-	W	W	W	W	-
December 2015	W	777.5	W	W	-	W	W	W	W	-
Wisconsin										
December 2016	W	W	W	W	-	W	W	W	W	-
November 2016	W	W	W	W	-	W	W	W	W	-
December 2015	W	W	W	W	-	W	W	W	W	-
PAD District 3										
December 2016	899.9	927.8	W	46,208.1	W	NA	NA	W	W	-
November 2016	1,050.9	1,079.6	60.4	47,432.6	9,633.1	98.3	101.4	W	W	-
December 2015	1,214.7	1,241.7	90.9	45,980.5	13,738.2	106.1	107.0	W	W	-
Alabama										
December 2016	W	11.2	-	W	W	W	W	-	41.6	-
November 2016	W	162.3	W	W	-	W	8.0	W	W	-
December 2015	W	W	W	W	-	W	W	W	W	-
Arkansas										
December 2016	-	-	-	2,920.9	-	-	-	-	21.6	-
November 2016	W	W	W	W	-	W	W	W	W	-
December 2015	W	W	W	W	-	W	W	W	W	-
Louisiana										
December 2016	-	W	-	W	W	-	-	-	32.1	-
November 2016	-	W	-	W	W	-	-	-	34.8	-
December 2015	-	-	-	5,845.7	481.8	-	-	-	47.0	-
Mississippi										
December 2016	-	W	-	W	W	-	W	-	29.6	-
November 2016	W	13.5	-	3,192.9	560.1	W	W	-	32.2	-
December 2015	W	W	-	W	W	W	W	-	31.4	-
New Mexico										
December 2016	NA	NA	W	W	-	NA	NA	W	W	-
November 2016	361.4	370.2	W	W	-	51.3	51.6	W	W	-
December 2015	321.3	330.7	W	W	-	W	W	W	W	-
Texas										
December 2016	W	W	W	29,130.6	W	W	W	-	202.3	-
November 2016	W	W	W	29,725.1	W	W	39.6	-	225.5	-
December 2015	W	NA	W	28,826.3	W	W	W	W	W	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium					All grades				
	Sales to end users		Sales for resale			Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)										
Nebraska										
December 2016	W	W	-	158.5	-	W	W	-	1,774.8	-
November 2016	W	W	-	173.7	-	W	W	-	1,927.6	-
December 2015	W	W	-	149.5	-	W	W	-	1,528.4	-
North Dakota										
December 2016	W	W	W	W	-	W	W	W	W	-
November 2016	W	W	W	W	-	W	W	W	W	-
December 2015	W	W	W	W	-	W	W	W	W	-
Ohio										
December 2016	W	W	-	W	W	W	W	-	W	W
November 2016	W	W	-	W	W	W	W	-	W	W
December 2015	W	W	-	W	W	W	W	-	W	W
Oklahoma										
December 2016	W	W	-	W	W	W	W	-	4,563.8	819.7
November 2016	W	W	-	W	W	W	W	-	4,653.7	334.6
December 2015	W	W	-	W	W	W	W	-	4,457.3	1,348.1
South Dakota										
December 2016	W	W	-	74.8	-	W	W	-	1,013.5	-
November 2016	W	W	-	78.1	-	W	W	-	1,049.5	-
December 2015	W	W	-	74.5	-	W	W	-	930.0	-
Tennessee										
December 2016	W	W	-	779.2	-	W	W	-	W	W
November 2016	W	W	W	W	-	W	592.4	W	W	-
December 2015	W	W	W	W	-	W	897.4	W	W	-
Wisconsin										
December 2016	W	W	W	W	-	W	W	W	W	-
November 2016	W	W	W	W	-	W	W	W	W	-
December 2015	W	W	W	W	-	W	W	W	W	-
PAD District 3										
December 2016	W	NA	W	W	1,327.7	W	1,107.5	W	51,536.1	W
November 2016	96.8	100.0	W	W	917.4	1,245.9	1,281.1	69.9	53,066.1	10,550.5
December 2015	109.1	112.9	W	W	1,651.9	1,429.9	1,461.5	103.1	51,564.0	15,390.1
Alabama										
December 2016	W	W	-	345.4	-	W	15.2	-	W	W
November 2016	W	11.7	W	W	-	W	182.0	W	W	-
December 2015	W	23.6	W	W	-	W	W	W	W	-
Arkansas										
December 2016	-	-	-	218.8	-	-	-	-	3,161.4	-
November 2016	W	W	-	237.6	-	W	W	W	W	-
December 2015	W	W	-	232.7	-	W	W	W	W	-
Louisiana										
December 2016	-	-	-	W	W	-	W	-	6,320.5	1,482.3
November 2016	-	-	-	W	W	-	W	-	6,555.3	1,820.8
December 2015	-	-	-	546.0	-	-	-	-	6,438.7	481.8
Mississippi										
December 2016	-	-	-	W	W	-	W	-	3,370.7	1,628.3
November 2016	W	W	-	W	W	-	W	-	W	W
December 2015	W	W	-	W	W	-	W	-	W	W
New Mexico										
December 2016	NA	NA	W	W	-	NA	NA	W	W	-
November 2016	42.8	43.4	W	W	-	455.4	465.1	W	W	-
December 2015	W	W	W	W	-	W	416.4	W	W	-
Texas										
December 2016	W	W	W	3,453.0	W	W	W	W	32,786.0	W
November 2016	W	W	W	3,606.6	W	W	W	W	33,557.1	W
December 2015	W	W	W	W	W	W	NA	W	32,624.3	W

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Regular						Midgrade					
	Sales to end users			Sales for resale			Sales to end users			Sales for resale		
	Through retail outlets	Total[a]		DTW	Rack	Bulk	Through retail outlets	Total[a]		DTW	Rack	Bulk
PAD District 4												
December 2016	W	W		W	10,258.8		W	81.5		-	142.5	-
November 2016	365.1	383.0		W	W		W	77.2		-	145.4	-
December 2015	355.2	367.5		W	W		W	76.1		-	155.8	-
Colorado												
December 2016	156.3	158.6		W	W		-	45.2		46.0	-	73.8
November 2016	154.1	157.0		W	W		-	43.7		44.9	-	73.2
December 2015	150.5	158.1		W	W		-	42.3		43.4	-	89.2
Idaho												
December 2016	W	W		-	1,309.8		-	W	W	-	7.1	-
November 2016	W	W		-	1,232.8		-	W	W	-	6.7	-
December 2015	W	W		-	1,413.8		-	W	W	-	8.5	-
Montana												
December 2016	W	W		-	1,089.4		-	W	W	-	7.5	-
November 2016	W	W		-	1,129.6		-	W	W	-	7.2	-
December 2015	W	W		-	1,029.5		-	W	W	-	10.0	-
Utah												
December 2016	W	W		W	W		W	W	W	-	42.6	-
November 2016	W	W		W	2,548.2		W	W	W	-	42.0	-
December 2015	W	W		W	W		W	W	W	-	33.1	-
Wyoming												
December 2016	W	12.0		-	890.5		-	W	W	-	11.4	-
November 2016	W	11.3		-	953.8		-	W	W	-	16.2	-
December 2015	W	W		-	908.7		-	W	W	-	15.1	-
PAD District 5												
December 2016	3,919.9	3,968.0		16,257.8	27,089.0		2,003.0	W	633.3	W	W	-
November 2016	3,890.6	3,935.1		16,067.6	W		W	632.0	632.9	W	W	-
December 2015	3,765.0	3,880.1		16,559.8	26,469.8		2,350.7	599.9	600.7	W	W	-
Alaska												
December 2016	W	W		82.4	W		W	W	W	W	W	-
November 2016	W	W		78.3	388.1		W	W	W	W	W	-
December 2015	W	W		76.2	W		W	W	W	W	W	-
Arizona												
December 2016	NA	W		W	4,196.2		W	NA	W	W	W	-
November 2016	W	W		W	4,174.0		W	W	W	W	W	-
December 2015	W	W		W	4,221.9		W	W	W	W	W	-
California												
December 2016	2,817.7	2,818.8		12,008.5	13,990.6		1,170.4	W	W	188.7	229.6	-
November 2016	W	W		11,820.7	14,324.9		1,931.1	W	W	192.4	234.0	-
December 2015	W	W		12,126.0	13,576.2		1,432.1	W	W	222.5	235.2	-
Hawaii												
December 2016	W	W		W	W		W	W	W	W	W	-
November 2016	W	W		W	W		NA	W	W	W	W	-
December 2015	W	W		W	W		W	W	W	W	W	-
Nevada												
December 2016	W	W		W	1,359.0		W	W	W	W	W	-
November 2016	W	W		708.0	W		W	W	W	W	W	-
December 2015	NA	W		786.2	W		W	NA	NA	W	W	-
Oregon												
December 2016	98.1	98.1		794.0	W		W	6.3	6.3	W	W	-
November 2016	93.0	93.0		W	2,402.2		W	6.2	6.2	4.6	15.5	-
December 2015	95.9	95.9		W	2,422.6		W	6.4	6.4	6.5	15.9	-
Washington												
December 2016	270.1	274.6		1,165.7	4,676.0		-	28.7	28.8	W	W	-
November 2016	245.6	247.9		W	4,677.6		W	26.5	26.5	W	W	-
December 2015	239.5	243.5		W	4,542.2		W	27.2	27.3	W	W	-

See footnotes at end of table.

Table 39. Refiner motor gasoline volumes by grade, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium						All grades					
	Sales to end users		Sales for resale			Through retail outlets	Sales to end users		Sales for resale			
	Through retail outlets	Total[a]	DTW	Rack	Bulk		Total[a]	DTW	Rack	Bulk		
PAD District 4												
December 2016	W	W	W	2,209.3	W	514.0	535.7	W	12,610.6	W		
November 2016	71.7	74.4	W	W	W	514.0	536.7	W	12,399.9	W		
December 2015	71.4	73.4	W	W	W	502.7	518.8	W	12,460.1	W		
Colorado												
December 2016	35.5	35.5	W	W	-	236.9	240.2	W	W	-		
November 2016	34.9	35.0	W	W	-	232.7	236.9	W	W	-		
December 2015	34.6	35.4	W	W	W	227.4	236.8	W	5,316.0	W		
Idaho												
December 2016	W	W	-	224.4	-	W	W	-	1,541.2	-		
November 2016	W	W	-	207.4	-	W	W	-	1,446.9	-		
December 2015	W	W	-	229.5	-	W	W	-	1,651.8	-		
Montana												
December 2016	W	W	-	247.0	-	W	W	-	1,343.9	-		
November 2016	W	W	-	238.6	-	W	W	-	1,375.4	-		
December 2015	W	W	-	220.6	-	W	W	-	1,260.2	-		
Utah												
December 2016	W	W	W	W	W	W	W	W	W	W	W	
November 2016	W	W	W	W	W	W	W	W	W	W	W	
December 2015	W	W	W	W	W	W	W	W	3,165.5	W	W	
Wyoming												
December 2016	W	W	-	144.5	-	W	15.8	-	1,046.4	-		
November 2016	W	W	-	159.9	-	W	14.8	-	1,129.9	-		
December 2015	W	W	-	142.8	-	W	W	-	1,066.6	-		
PAD District 5												
December 2016	W	1,105.2	4,562.0	W	W	5,653.2	5,706.5	W	33,086.8	W		
November 2016	1,091.4	1,096.1	4,495.0	5,595.4	346.5	5,614.1	5,664.1	W	33,459.6	W		
December 2015	1,035.5	1,053.9	4,410.4	W	W	5,400.4	5,534.7	W	32,034.6	W		
Alaska												
December 2016	W	W	W	32.5	W	W	W	101.6	W	W	W	
November 2016	W	W	W	W	-	W	W	95.8	W	W	W	
December 2015	W	W	W	44.0	-	W	W	93.8	W	W	W	
Arizona												
December 2016	NA	W	191.6	W	W	NA	W	W	4,793.2	W		
November 2016	W	W	181.9	W	W	W	W	W	4,774.2	W		
December 2015	W	W	191.1	W	W	W	W	W	4,819.5	W		
California												
December 2016	W	W	3,678.3	3,499.4	237.7	W	W	15,875.5	17,719.6	1,408.1		
November 2016	W	W	3,625.5	3,490.6	239.3	W	W	15,638.6	18,049.5	2,170.3		
December 2015	W	W	3,528.7	3,189.5	204.1	W	W	15,877.2	17,000.9	1,636.2		
Hawaii												
December 2016	W	W	W	W	W	W	W	W	W	W	W	
November 2016	W	W	W	W	NA	W	W	W	W	W	NA	
December 2015	W	W	W	W	W	W	W	W	W	W	W	
Nevada												
December 2016	W	W	W	W	W	W	W	W	1,694.2	W		
November 2016	W	W	W	317.4	W	W	W	W	1,667.9	W		
December 2015	NA	W	213.7	258.3	-	NA	W	W	1,431.9	W		
Oregon												
December 2016	13.6	13.6	122.5	291.7	-	118.1	118.1	W	2,583.5	W		
November 2016	13.3	13.3	W	314.6	W	112.4	112.4	W	2,732.3	W		
December 2015	13.2	13.2	W	297.0	W	115.5	115.5	W	2,735.5	W		
Washington												
December 2016	43.6	43.7	248.0	W	W	342.4	347.1	W	5,604.5	W		
November 2016	41.4	41.5	244.3	W	W	313.4	315.9	W	5,572.1	W		
December 2015	42.2	42.3	251.2	W	W	308.9	313.2	W	5,395.5	W		

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2016 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state
thousand gallons per day

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
United States					
December 2016	14,713.7	14,937.5	4,818.2	180,711.0	15,563.3
November 2016	15,289.0	15,518.8	4,822.6	182,664.0	14,595.1
December 2015	15,931.4	16,214.3	4,982.5	177,968.7	21,211.1
PAD District 1					
December 2016	W	W	W	49,356.3	W
November 2016	W	W	W	49,129.1	W
December 2015	W	W	W	49,044.8	W
Subdistrict 1A					
December 2016	-	-	W	W	-
November 2016	-	-	W	W	-
December 2015	-	-	-	W	-
Connecticut					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
Maine					
December 2016	-	-	W	W	-
November 2016	-	-	W	W	-
December 2015	-	-	-	W	-
Massachusetts					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
New Hampshire					
December 2016	-	-	W	W	-
November 2016	-	-	W	W	-
December 2015	-	-	-	W	-
Rhode Island					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
Vermont					
December 2016	-	-	W	W	-
November 2016	-	-	W	W	-
December 2015	-	-	-	86.2	-
Subdistrict 1B					
December 2016	W	W	W	6,325.0	W
November 2016	W	W	W	W	1,087.3
December 2015	W	W	W	W	W
Delaware					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
District of Columbia					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
Maryland					
December 2016	-	-	-	W	W
November 2016	-	-	-	W	W
December 2015	-	-	-	W	W
New Jersey					
December 2016	-	-	-	-	W
November 2016	-	-	-	-	207.3
December 2015	-	-	-	-	W
New York					
December 2016	W	W	W	W	W
November 2016	W	W	W	W	W
December 2015	W	W	W	2,616.0	W
Pennsylvania					
December 2016	W	W	-	W	W
November 2016	W	W	-	W	W
December 2015	W	W	-	W	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Reformulated					
	Sales to end users		Total[a]	Sales for resale		
	Through retail outlets	Total		DTW	Rack	Bulk
United States						
December 2016	9,152.9	9,187.7	18,004.0	76,259.5	2,945.4	
November 2016	9,075.5	9,099.6	17,719.3	76,221.5	3,559.4	
December 2015	9,039.9	9,071.5	17,962.0	74,554.2	3,244.5	
PAD District 1						
December 2016	W	W	W	27,010.3	W	
November 2016	W	W	W	26,725.6	W	
December 2015	W	W	W	26,975.6	W	
Subdistrict 1A						
December 2016	W	W	W	4,645.9	W	
November 2016	W	W	W	W	W	
December 2015	W	W	W	W	W	
Connecticut						
December 2016	-	W	W	2,475.8	W	
November 2016	-	W	W	2,489.8	W	
December 2015	-	W	W	2,445.8	W	
Maine						
December 2016	-	-	-	W	-	
November 2016	-	-	-	W	-	
December 2015	-	-	-	W	-	
Massachusetts						
December 2016	W	W	W	W	-	
November 2016	W	W	W	W	-	
December 2015	W	W	-	994.5	-	
New Hampshire						
December 2016	W	W	-	-	-	
November 2016	W	W	-	-	-	
December 2015	W	W	-	-	-	
Rhode Island						
December 2016	W	W	W	W	W	
November 2016	W	W	W	W	858.7	
December 2015	W	W	W	W	W	
Vermont						
December 2016	-	-	-	-	-	
November 2016	-	-	-	-	-	
December 2015	-	-	-	-	-	
Subdistrict 1B						
December 2016	W	W	W	17,932.8	W	
November 2016	W	W	W	W	W	
December 2015	W	W	W	W	W	
Delaware						
December 2016	W	W	-	1,061.3	-	
November 2016	W	W	-	1,086.2	-	
December 2015	W	W	-	1,015.2	-	
District of Columbia						
December 2016	-	-	-	-	-	
November 2016	-	-	-	-	-	
December 2015	-	-	-	-	-	
Maryland						
December 2016	-	W	W	3,723.5	-	
November 2016	-	W	W	W	-	
December 2015	-	W	W	W	-	
New Jersey						
December 2016	W	W	W	7,736.3	W	
November 2016	W	W	W	W	-	
December 2015	W	W	W	W	W	
New York						
December 2016	W	W	W	W	W	
November 2016	W	W	W	W	W	
December 2015	W	W	W	3,234.6	W	
Pennsylvania						
December 2016	W	W	-	W	W	
November 2016	W	W	-	W	W	
December 2015	W	W	-	W	W	

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	All formulations					
	Sales to end users		Total[a]	Sales for resale		
	Through retail outlets	Total		DTW	Rack	Bulk
United States						
December 2016	23,866.6	24,125.1	22,822.1	256,970.5	18,508.6	
November 2016	24,364.5	24,618.4	22,541.9	258,885.5	18,154.5	
December 2015	24,971.4	25,285.8	22,944.5	252,523.0	24,455.5	
PAD District 1						
December 2016	7,961.2	7,977.7	W	76,366.7	W	
November 2016	8,143.8	8,161.0	W	75,854.7	W	
December 2015	8,394.3	8,410.0	W	76,020.6	W	
Subdistrict 1A						
December 2016	W	W	W	W	W	W
November 2016	W	W	W	W	4,919.5	W
December 2015	W	W	W	W	4,817.8	W
Connecticut						
December 2016	-	W	W	2,475.8	W	
November 2016	-	W	W	2,489.8	W	
December 2015	-	W	W	2,445.8	W	
Maine						
December 2016	-	-	W	W	-	-
November 2016	-	-	W	W	-	-
December 2015	-	-	-	-	575.3	-
Massachusetts						
December 2016	W	W	W	W	-	-
November 2016	W	W	W	W	-	-
December 2015	W	W	-	-	994.5	-
New Hampshire						
December 2016	W	W	W	W	W	
November 2016	W	W	W	W	W	
December 2015	W	W	-	-	W	
Rhode Island						
December 2016	W	W	W	W	897.8	W
November 2016	W	W	W	W	858.7	W
December 2015	W	W	W	W	W	W
Vermont						
December 2016	-	-	W	W	-	-
November 2016	-	-	W	W	-	-
December 2015	-	-	-	-	86.2	-
Subdistrict 1B						
December 2016	4,018.0	4,019.8	W	24,257.8	W	
November 2016	3,960.0	3,961.0	W	24,068.6	W	
December 2015	3,965.9	3,967.3	W	24,346.9	W	
Delaware						
December 2016	W	W	-	1,061.3	-	-
November 2016	W	W	-	1,086.2	-	-
December 2015	W	W	-	1,015.2	-	-
District of Columbia						
December 2016	-	-	-	-	-	-
November 2016	-	-	-	-	-	-
December 2015	-	-	-	-	-	-
Maryland						
December 2016	-	W	W	W	W	W
November 2016	-	W	W	W	4,286.5	W
December 2015	-	W	W	W	4,142.0	W
New Jersey						
December 2016	W	W	W	W	7,736.3	W
November 2016	W	W	W	W	W	207.3
December 2015	W	W	W	W	W	587.7
New York						
December 2016	2,490.6	2,490.6	W	5,605.2	W	
November 2016	2,428.8	2,429.0	W	5,728.0	W	
December 2015	2,439.4	2,439.4	W	5,850.6	W	
Pennsylvania						
December 2016	W	W	-	W	W	W
November 2016	W	W	-	W	W	W
December 2015	W	W	-	W	W	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Conventional					
	Sales to end users		Total[a]	Sales for resale		
	Through retail outlets	Total		DTW	Rack	Bulk
Subdistrict 1C						
December 2016	W	W	-	W	W	W
November 2016	W	W	-	W	42,561.8	W
December 2015	W	W	-	W	W	W
Florida						
December 2016	W	W	-	W	16,091.0	-
November 2016	W	W	-	W	15,955.8	-
December 2015	W	W	-	W	15,842.2	W
Georgia						
December 2016	W	W	-	W	W	W
November 2016	W	75.7	-	W	W	-
December 2015	W	135.2	-	W	W	-
North Carolina						
December 2016	W	W	-	W	9,473.2	-
November 2016	W	W	-	W	9,795.0	-
December 2015	W	W	-	W	9,421.8	-
South Carolina						
December 2016	W	W	-	W	W	W
November 2016	W	W	-	W	4,343.5	-
December 2015	W	W	-	W	4,476.1	-
Virginia						
December 2016	W	W	-	W	3,001.2	-
November 2016	W	W	-	W	W	W
December 2015	W	W	-	W	W	-
West Virginia						
December 2016	W	W	-	W	824.3	-
November 2016	W	W	-	W	832.7	-
December 2015	W	W	-	W	746.3	-
PAD District 2						
December 2016	7,019.4	W	W	W	W	W
November 2016	W	W	W	W	W	W
December 2015	W	W	W	W	67,920.7	W
Illinois						
December 2016	W	51.0	-	W	W	W
November 2016	W	32.9	-	W	W	W
December 2015	W	25.2	-	W	W	W
Indiana						
December 2016	W	W	-	W	W	W
November 2016	W	W	-	W	W	W
December 2015	W	W	-	W	4,903.8	-
Iowa						
December 2016	-	W	-	W	3,184.4	-
November 2016	-	W	-	W	3,243.8	-
December 2015	-	W	-	W	3,003.9	-
Kansas						
December 2016	W	W	-	W	4,243.5	83.3
November 2016	W	W	-	W	4,318.1	196.0
December 2015	W	W	-	W	4,230.9	397.0
Kentucky						
December 2016	W	W	-	W	W	W
November 2016	W	W	-	W	W	W
December 2015	W	W	-	W	W	W
Michigan						
December 2016	W	W	-	W	W	W
November 2016	W	W	-	W	W	W
December 2015	W	W	-	W	W	W
Minnesota						
December 2016	W	W	W	W	5,814.3	W
November 2016	W	W	W	W	5,642.8	W
December 2015	W	W	W	W	5,524.9	W
Missouri						
December 2016	-	NA	-	W	2,848.5	-
November 2016	-	W	-	W	W	-
December 2015	-	W	-	W	2,468.0	-

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Reformulated				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C					
December 2016	-	-	-	4,431.6	-
November 2016	-	-	-	4,304.7	-
December 2015	-	-	W	W	-
Florida					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
Georgia					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
North Carolina					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
South Carolina					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
Virginia					
December 2016	-	-	-	4,431.6	-
November 2016	-	-	-	4,304.7	-
December 2015	-	-	W	W	-
West Virginia					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
PAD District 2					
December 2016	W	W	-	W	W
November 2016	W	W	-	W	W
December 2015	W	W	-	12,522.9	-
Illinois					
December 2016	W	W	-	W	W
November 2016	W	W	-	W	W
December 2015	W	W	-	8,066.8	-
Indiana					
December 2016	W	W	-	1,078.5	-
November 2016	W	W	-	1,017.2	-
December 2015	W	W	-	1,025.8	-
Iowa					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
Kansas					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
Kentucky					
December 2016	W	W	-	967.9	-
November 2016	W	W	-	W	-
December 2015	W	W	-	936.7	-
Michigan					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
Minnesota					
December 2016	-	-	-	-	-
November 2016	-	-	-	-	-
December 2015	-	-	-	-	-
Missouri					
December 2016	-	-	-	733.4	-
November 2016	-	-	-	W	-
December 2015	-	-	-	740.8	-

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
Subdistrict 1C					
December 2016	W	W	-	W	W
November 2016	W	W	W	46,866.6	W
December 2015	W	W	W	46,855.8	W
Florida					
December 2016	W	W	-	16,091.0	-
November 2016	W	W	-	15,955.8	-
December 2015	W	W	W	15,842.2	W
Georgia					
December 2016	W	W	-	W	W
November 2016	W	75.7	W	W	-
December 2015	W	135.2	W	W	-
North Carolina					
December 2016	W	W	-	9,473.2	-
November 2016	W	W	-	9,795.0	-
December 2015	W	W	-	9,421.8	-
South Carolina					
December 2016	W	W	-	W	W
November 2016	W	W	-	4,343.5	-
December 2015	W	W	-	4,476.1	-
Virginia					
December 2016	W	W	-	7,432.8	-
November 2016	W	W	-	W	W
December 2015	W	W	W	W	-
West Virginia					
December 2016	W	W	-	824.3	-
November 2016	W	W	-	832.7	-
December 2015	W	W	-	746.3	-
PAD District 2					
December 2016	W	8,797.8	W	83,370.1	W
November 2016	8,846.7	8,975.5	W	84,105.1	W
December 2015	9,244.1	9,360.7	W	80,443.6	W
Illinois					
December 2016	W	W	-	W	W
November 2016	W	W	-	W	W
December 2015	W	W	-	W	W
Indiana					
December 2016	W	W	-	W	W
November 2016	W	W	-	W	W
December 2015	W	W	-	5,929.6	-
Iowa					
December 2016	-	W	-	3,184.4	-
November 2016	-	W	-	3,243.8	-
December 2015	-	W	-	3,003.9	-
Kansas					
December 2016	W	W	-	4,243.5	83.3
November 2016	W	W	-	4,318.1	196.0
December 2015	W	W	-	4,230.9	397.0
Kentucky					
December 2016	W	W	-	W	W
November 2016	W	W	-	W	W
December 2015	W	W	-	W	W
Michigan					
December 2016	W	W	-	W	W
November 2016	W	W	-	W	W
December 2015	W	W	-	W	W
Minnesota					
December 2016	W	W	W	5,814.3	W
November 2016	W	W	W	5,642.8	W
December 2015	W	W	W	5,524.9	W
Missouri					
December 2016	-	NA	-	3,582.0	-
November 2016	-	W	-	3,726.6	-
December 2015	-	W	-	3,208.8	-

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Conventional				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)					
Nebraska					
December 2016	W	W	-	1,774.8	-
November 2016	W	W	-	1,927.6	-
December 2015	W	W	-	1,528.4	-
North Dakota					
December 2016	W	W	W	W	-
November 2016	W	W	W	W	-
December 2015	W	W	W	W	-
Ohio					
December 2016	W	W	-	W	W
November 2016	W	W	-	W	W
December 2015	W	W	-	W	W
Oklahoma					
December 2016	W	W	-	4,563.8	819.7
November 2016	W	W	-	4,653.7	334.6
December 2015	W	W	-	4,457.3	1,348.1
South Dakota					
December 2016	W	W	-	1,013.5	-
November 2016	W	W	-	1,049.5	-
December 2015	W	W	-	930.0	-
Tennessee					
December 2016	W	W	-	W	W
November 2016	W	592.4	W	W	-
December 2015	W	897.4	W	W	-
Wisconsin					
December 2016	W	55.2	W	W	-
November 2016	W	56.1	W	W	-
December 2015	60.6	64.2	W	W	-
PAD District 3					
December 2016	W	1,107.5	W	36,418.8	W
November 2016	1,245.9	W	69.9	37,499.1	10,550.5
December 2015	1,429.9	1,461.5	W	36,634.1	W
Alabama					
December 2016	W	15.2	-	W	W
November 2016	W	182.0	W	W	-
December 2015	W	W	W	W	-
Arkansas					
December 2016	-	-	-	3,161.4	-
November 2016	W	W	W	W	-
December 2015	W	W	W	W	-
Louisiana					
December 2016	-	W	-	6,320.5	1,482.3
November 2016	-	W	-	6,555.3	1,820.8
December 2015	-	-	-	6,438.7	481.8
Mississippi					
December 2016	-	W	-	3,370.7	1,628.3
November 2016	W	15.1	-	W	W
December 2015	W	W	-	W	W
New Mexico					
December 2016	NA	NA	W	W	-
November 2016	455.4	465.1	W	W	-
December 2015	W	416.4	W	W	-
Texas					
December 2016	W	W	W	W	W
November 2016	W	W	W	W	W
December 2015	W	NA	W	W	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Reformulated			
	Sales to end users	Total[a]	DTW	Sales for resale
	Through retail outlets			Rack
PAD District 2 (cont.)				
Nebraska				
December 2016	-	-	-	-
November 2016	-	-	-	-
December 2015	-	-	-	-
North Dakota				
December 2016	-	-	-	-
November 2016	-	-	-	-
December 2015	-	-	-	-
Ohio				
December 2016	-	-	-	-
November 2016	-	-	-	-
December 2015	-	-	-	-
Oklahoma				
December 2016	-	-	-	-
November 2016	-	-	-	-
December 2015	-	-	-	-
South Dakota				
December 2016	-	-	-	-
November 2016	-	-	-	-
December 2015	-	-	-	-
Tennessee				
December 2016	-	-	-	-
November 2016	-	-	-	-
December 2015	-	-	-	-
Wisconsin				
December 2016	W	W	-	1,721.2
November 2016	W	W	-	1,688.3
December 2015	W	W	-	1,752.7
PAD District 3				
Alabama				
December 2016	-	-	-	15,117.3
November 2016	-	W	-	15,567.0
December 2015	-	-	W	14,929.8
Arkansas				W
December 2016	-	-	-	-
November 2016	-	-	-	-
December 2015	-	-	-	-
Louisiana				
December 2016	-	-	-	-
November 2016	-	-	-	-
December 2015	-	-	-	-
Mississippi				
December 2016	-	-	-	-
November 2016	-	-	-	-
December 2015	-	-	-	-
New Mexico				
December 2016	-	-	-	-
November 2016	-	-	-	-
December 2015	-	-	-	-
Texas				
December 2016	-	-	-	W
November 2016	-	W	-	W
December 2015	-	-	W	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 2 (cont.)					
Nebraska					
December 2016	W	W	-	1,774.8	-
November 2016	W	W	-	1,927.6	-
December 2015	W	W	-	1,528.4	-
North Dakota					
December 2016	W	W	W	W	-
November 2016	W	W	W	W	-
December 2015	W	W	W	W	-
Ohio					
December 2016	W	W	-	W	W
November 2016	W	W	-	W	W
December 2015	W	W	-	W	W
Oklahoma					
December 2016	W	W	-	4,563.8	819.7
November 2016	W	W	-	4,653.7	334.6
December 2015	W	W	-	4,457.3	1,348.1
South Dakota					
December 2016	W	W	-	1,013.5	-
November 2016	W	W	-	1,049.5	-
December 2015	W	W	-	930.0	-
Tennessee					
December 2016	W	W	-	W	W
November 2016	W	592.4	W	W	-
December 2015	W	897.4	W	W	-
Wisconsin					
December 2016	W	W	W	W	-
November 2016	W	W	W	W	-
December 2015	W	W	W	W	-
PAD District 3					
December 2016	W	1,107.5	W	51,536.1	W
November 2016	1,245.9	1,281.1	69.9	53,066.1	10,550.5
December 2015	1,429.9	1,461.5	103.1	51,564.0	15,390.1
Alabama					
December 2016	W	15.2	-	W	W
November 2016	W	182.0	W	W	-
December 2015	W	W	W	W	-
Arkansas					
December 2016	-	-	-	3,161.4	-
November 2016	W	W	W	W	-
December 2015	W	W	W	W	-
Louisiana					
December 2016	-	W	-	6,320.5	1,482.3
November 2016	-	W	-	6,555.3	1,820.8
December 2015	-	-	-	6,438.7	481.8
Mississippi					
December 2016	-	W	-	3,370.7	1,628.3
November 2016	W	15.1	-	W	W
December 2015	W	W	-	W	W
New Mexico					
December 2016	NA	NA	W	W	-
November 2016	455.4	465.1	W	W	-
December 2015	W	416.4	W	W	-
Texas					
December 2016	W	W	W	32,786.0	W
November 2016	W	W	W	33,557.1	W
December 2015	W	NA	W	32,624.3	W

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Conventional				
	Sales to end users		Total[a]	Sales for resale	
	Through retail outlets	Total		DTW	Rack
PAD District 4					
December 2016	514.0	535.7		W	12,610.6
November 2016	514.0	536.7		W	12,399.9
December 2015	502.7	518.8		W	12,460.1
Colorado					
December 2016	236.9	240.2		W	W
November 2016	232.7	236.9		W	W
December 2015	227.4	236.8		W	5,316.0
Idaho					
December 2016	W	W		-	1,541.2
November 2016	W	W		-	1,446.9
December 2015	W	W		-	1,651.8
Montana					
December 2016	W	W		-	1,343.9
November 2016	W	W		-	1,375.4
December 2015	W	W		-	1,260.2
Utah					
December 2016	W	W		W	W
November 2016	W	W		W	W
December 2015	W	W		W	3,165.5
Wyoming					
December 2016	W	15.8		-	1,046.4
November 2016	W	14.8		-	1,129.9
December 2015	W	W		-	1,066.6
PAD District 5					
December 2016	W	W		W	W
November 2016	W	W		W	W
December 2015	W	W		W	11,908.8
Alaska					
December 2016	W	W		101.6	W
November 2016	W	W		95.8	W
December 2015	W	W		93.8	W
Arizona					
December 2016	NA	W		476.3	W
November 2016	W	W		478.5	W
December 2015	W	W		W	-
California					
December 2016	-	-		-	W
November 2016	-	-		-	W
December 2015	-	-		-	W
Hawaii					
December 2016	W	W		W	W
November 2016	W	W		W	NA
December 2015	W	W		W	W
Nevada					
December 2016	W	W		W	1,694.2
November 2016	W	W		W	1,667.9
December 2015	NA	W		W	1,431.9
Oregon					
December 2016	118.1	118.1		W	2,583.5
November 2016	112.4	112.4		W	2,732.3
December 2015	115.5	115.5		W	2,735.5
Washington					
December 2016	342.4	347.1		W	5,604.5
November 2016	313.4	315.9		W	5,572.1
December 2015	308.9	313.2		W	5,395.5

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Reformulated				Sales for resale	Rack	Bulk
	Sales to end users		Total[a]	DTW			
	Through retail outlets						
PAD District 4							
December 2016	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-
Colorado							
December 2016	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-
Idaho							
December 2016	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-
Montana							
December 2016	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-
Utah							
December 2016	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-
Wyoming							
December 2016	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-
PAD District 5							
December 2016	W	W	W	W	W	W	W
November 2016	W	W	W	W	W	W	W
December 2015	W	W	16,837.8	16,837.8	20,125.9	20,125.9	1,535.2
Alaska							
December 2016	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-
Arizona							
December 2016	-	W	W	W	W	W	W
November 2016	-	W	W	W	W	W	W
December 2015	-	W	960.7	960.7	W	W	W
California							
December 2016	W	W	15,875.5	15,875.5	17,719.6	17,719.6	W
November 2016	W	W	15,638.6	15,638.6	18,049.5	18,049.5	W
December 2015	W	W	15,877.2	15,877.2	W	W	W
Hawaii							
December 2016	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-
Nevada							
December 2016	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-
Oregon							
December 2016	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-
Washington							
December 2016	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-

See footnotes at end of table.

Table 40. Refiner motor gasoline volumes by formulation, sales type, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	All formulations				
	Sales to end users		Sales for resale		
	Through retail outlets	Total[a]	DTW	Rack	Bulk
PAD District 4					
December 2016	514.0	535.7	W	12,610.6	W
November 2016	514.0	536.7	W	12,399.9	W
December 2015	502.7	518.8	W	12,460.1	W
Colorado					
December 2016	236.9	240.2	W	W	-
November 2016	232.7	236.9	W	W	-
December 2015	227.4	236.8	W	5,316.0	W
Idaho					
December 2016	W	W	-	1,541.2	-
November 2016	W	W	-	1,446.9	-
December 2015	W	W	-	1,651.8	-
Montana					
December 2016	W	W	-	1,343.9	-
November 2016	W	W	-	1,375.4	-
December 2015	W	W	-	1,260.2	-
Utah					
December 2016	W	W	W	W	W
November 2016	W	W	W	W	W
December 2015	W	W	W	3,165.5	W
Wyoming					
December 2016	W	15.8	-	1,046.4	-
November 2016	W	14.8	-	1,129.9	-
December 2015	W	W	-	1,066.6	-
PAD District 5					
December 2016	5,653.2	5,706.5	W	33,086.8	W
November 2016	5,614.1	5,664.1	W	33,459.6	W
December 2015	5,400.4	5,534.7	W	32,034.6	W
Alaska					
December 2016	W	W	101.6	W	W
November 2016	W	W	95.8	W	W
December 2015	W	W	93.8	W	W
Arizona					
December 2016	NA	W	W	4,793.2	W
November 2016	W	W	W	4,774.2	W
December 2015	W	W	W	4,819.5	W
California					
December 2016	W	W	15,875.5	17,719.6	1,408.1
November 2016	W	W	15,638.6	18,049.5	2,170.3
December 2015	W	W	15,877.2	17,000.9	1,636.2
Hawaii					
December 2016	W	W	W	W	W
November 2016	W	W	W	W	NA
December 2015	W	W	W	W	W
Nevada					
December 2016	W	W	W	1,694.2	W
November 2016	W	W	W	1,667.9	W
December 2015	NA	W	W	1,431.9	W
Oregon					
December 2016	118.1	118.1	W	2,583.5	W
November 2016	112.4	112.4	W	2,732.3	W
December 2015	115.5	115.5	W	2,735.5	W
Washington					
December 2016	342.4	347.1	W	5,604.5	W
November 2016	313.4	315.9	W	5,572.1	W
December 2015	308.9	313.2	W	5,395.5	W

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Includes sales through retail outlets as well as all direct sales to end users that were not made through company-operated retail outlets, e.g., sales to agricultural customers, commercial sales, and industrial sales.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2016 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States										
December 2016	W	427.0	31,197.5	32,427.1	W	1,898.1	NA	3,239.5	6,412.6	41,185.8
November 2016	W	395.5	31,569.4	30,400.1	W	1,425.4	114.3	1,742.1	5,316.0	35,350.3
December 2015	W	348.6	33,002.8	30,290.1	W	1,256.8	NA	2,154.5	5,678.3	34,788.0
PAD District 1										
December 2016	W	95.2	4,922.2	6,068.7	W	638.4	W	W	W	8,738.3
November 2016	W	132.1	4,571.4	6,556.8	16.2	493.6	W	W	W	6,363.3
December 2015	W	109.6	6,223.6	5,514.6	W	454.6	-	78.9	W	6,444.1
Subdistrict 1A										
December 2016	-	W	337.0	W	W	-	-	W	W	1,908.5
November 2016	W	W	293.5	278.3	W	W	W	W	W	1,242.0
December 2015	W	W	W	332.7	W	W	-	W	W	1,169.3
Connecticut										
December 2016	-	-	W	W	-	-	-	-	-	188.0
November 2016	-	-	W	W	-	W	-	-	-	114.0
December 2015	-	-	W	W	-	W	-	-	-	55.7
Maine										
December 2016	-	W	W	W	-	-	-	W	W	485.3
November 2016	W	W	W	W	-	-	W	W	W	343.9
December 2015	W	W	W	W	-	-	-	-	W	290.2
Massachusetts										
December 2016	-	-	W	W	W	-	-	-	-	329.0
November 2016	-	-	W	W	W	-	-	-	-	175.7
December 2015	-	-	W	W	W	-	-	-	-	220.5
New Hampshire										
December 2016	-	-	W	W	W	-	-	W	-	258.1
November 2016	-	-	W	W	W	-	-	-	-	169.4
December 2015	-	-	W	-	W	-	-	-	-	196.8
Rhode Island										
December 2016	-	-	W	W	W	-	-	-	-	W
November 2016	-	-	W	W	W	-	-	-	-	W
December 2015	-	-	W	W	W	-	-	-	-	W
Vermont										
December 2016	-	-	W	W	-	-	-	W	W	W
November 2016	-	-	W	W	-	-	-	W	W	W
December 2015	-	-	W	-	-	-	-	W	-	W
Subdistrict 1B										
December 2016	W	W	2,607.5	3,930.0	17.0	554.5	W	W	W	3,301.1
November 2016	-	W	2,298.1	4,476.7	9.4	416.7	W	W	W	2,504.1
December 2015	W	W	3,921.0	2,543.8	W	378.5	-	W	W	2,856.4
Delaware										
December 2016	-	-	-	-	W	-	-	-	-	W
November 2016	-	-	-	-	W	-	-	-	-	W
December 2015	-	-	-	W	W	-	-	-	-	194.9
District of Columbia										
December 2016	-	-	-	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-	-	-	-
Maryland										
December 2016	-	-	W	45.3	-	W	-	-	-	W
November 2016	-	-	W	45.1	-	W	-	-	-	W
December 2015	-	-	W	W	-	W	-	-	-	110.3
New Jersey										
December 2016	-	-	1,307.3	2,187.6	W	W	-	-	-	404.4
November 2016	-	-	1,123.2	2,675.3	W	353.1	-	-	-	364.7
December 2015	-	-	2,580.3	1,949.4	W	W	-	W	-	336.2
New York										
December 2016	W	W	W	102.2	W	W	-	W	W	1,035.6
November 2016	-	W	W	88.3	W	W	-	W	W	657.4
December 2015	W	W	W	93.8	W	W	-	W	W	645.1
Pennsylvania										
December 2016	-	W	W	1,594.9	6.9	W	W	W	W	1,535.4
November 2016	-	W	W	1,667.9	4.0	3.0	W	W	W	1,180.0
December 2015	W	W	W	465.2	W	2.6	-	-	W	1,569.9

See footnotes at end of table.

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C										
December 2016	W	75.8	1,977.7	W	W	83.9	-	W	W	3,528.7
November 2016	W	107.0	1,979.8	1,801.8	W	W	-	W	W	2,617.2
December 2015	W	89.9	W	2,638.0	W	W	-	W	W	2,418.4
Florida										
December 2016	-	60.2	1,466.6	1,266.1	W	-	-	-	-	390.4
November 2016	-	78.1	1,464.1	1,367.3	W	W	-	-	-	357.6
December 2015	W	63.9	1,745.5	2,251.5	W	-	-	-	-	362.3
Georgia										
December 2016	W	4.8	W	57.4	-	W	-	W	-	709.4
November 2016	W	W	W	W	-	W	-	W	-	535.1
December 2015	-	11.9	176.7	88.6	W	W	-	W	-	496.2
North Carolina										
December 2016	W	W	W	W	W	W	-	-	-	1,096.7
November 2016	W	W	W	W	163.5	W	W	-	-	745.9
December 2015	W	W	W	146.5	W	W	-	-	-	672.0
South Carolina										
December 2016	-	-	W	90.0	W	W	-	-	-	876.2
November 2016	-	-	W	65.8	W	W	-	-	-	590.4
December 2015	-	-	W	47.7	W	W	-	-	-	600.6
Virginia										
December 2016	-	W	160.2	130.2	-	W	-	-	-	W
November 2016	-	W	157.4	146.3	W	W	-	-	-	W
December 2015	-	W	77.5	W	W	W	-	-	-	193.2
West Virginia										
December 2016	-	-	W	W	W	-	-	-	W	W
November 2016	-	-	W	W	W	-	-	-	W	W
December 2015	-	-	W	W	W	-	-	-	W	NA
PAD District 2										
December 2016	W	W	5,883.7	4,687.6	W	W	16.5	2,340.0	W	13,816.9
November 2016	W	102.7	6,082.1	4,687.7	W	W	7.6	1,145.6	W	8,619.0
December 2015	W	83.6	6,094.4	4,238.5	W	W	W	1,249.0	W	11,930.6
Illinois										
December 2016	W	W	1,339.1	W	W	W	W	W	W	2,072.5
November 2016	W	W	1,537.8	W	W	W	W	W	W	1,398.2
December 2015	W	W	1,258.1	W	W	W	W	19.7	W	1,581.0
Indiana										
December 2016	-	-	729.0	301.5	W	W	-	W	W	535.8
November 2016	-	-	715.2	277.4	W	W	-	W	W	193.8
December 2015	-	-	731.8	275.6	W	W	-	W	W	340.4
Iowa										
December 2016	-	-	22.6	W	-	W	-	294.3	W	961.6
November 2016	-	-	W	W	-	W	-	169.0	W	460.8
December 2015	-	-	W	W	-	-	W	153.7	W	628.5
Kansas										
December 2016	W	W	W	W	-	W	-	154.8	W	2,813.7
November 2016	W	W	W	W	-	W	-	95.6	W	2,037.6
December 2015	W	W	W	W	-	5.3	-	117.7	W	3,776.2
Kentucky										
December 2016	-	W	W	527.0	W	W	-	W	-	703.7
November 2016	-	W	W	487.1	W	W	W	W	W	427.4
December 2015	-	W	W	W	W	W	-	W	-	456.8
Michigan										
December 2016	W	-	123.2	351.8	W	W	W	32.3	W	1,099.4
November 2016	-	-	W	438.5	W	W	W	W	W	643.5
December 2015	-	-	W	294.5	W	W	W	15.6	W	964.4
Minnesota										
December 2016	-	W	W	W	W	W	5.3	479.7	W	973.9
November 2016	W	W	W	W	W	W	3.6	217.1	W	587.3
December 2015	W	W	393.1	W	W	NA	2.2	219.5	W	674.7
Missouri										
December 2016	W	-	W	W	-	W	-	17.8	NA	595.1
November 2016	W	W	W	W	-	-	-	7.1	W	300.0
December 2015	W	-	W	W	-	W	-	6.1	-	423.8

See footnotes at end of table.

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)										
Nebraska										
December 2016	W	-	W	W	-	-	W	194.5	W	468.6
November 2016	W	-	W	W	-	-	W	105.6	W	152.0
December 2015	W	-	W	W	-	-	W	117.0	W	349.8
North Dakota										
December 2016	-	-	W	W	-	W	W	622.3	W	455.1
November 2016	-	-	W	W	-	-	W	245.1	W	369.3
December 2015	-	-	W	W	-	W	W	331.4	W	378.2
Ohio										
December 2016	-	-	403.8	812.1	W	W	-	W	W	1,029.3
November 2016	W	-	500.8	733.9	W	W	-	W	W	746.5
December 2015	-	-	527.0	W	W	W	-	W	W	717.8
Oklahoma										
December 2016	W	-	W	428.2	-	W	-	W	W	348.4
November 2016	W	-	W	313.1	-	W	-	W	-	219.4
December 2015	W	-	W	297.6	-	W	-	W	W	289.1
South Dakota										
December 2016	-	-	W	-	-	W	W	194.3	W	322.8
November 2016	-	-	W	W	-	-	W	112.3	W	153.5
December 2015	-	-	27.5	W	-	-	W	111.5	W	235.7
Tennessee										
December 2016	W	7.2	W	166.4	W	W	-	W	-	244.3
November 2016	-	W	W	151.2	W	W	-	-	-	209.2
December 2015	W	W	W	170.8	W	W	-	W	-	246.8
Wisconsin										
December 2016	-	-	W	W	W	10.1	W	W	W	1,192.4
November 2016	-	-	W	W	W	W	W	W	W	720.6
December 2015	-	-	W	W	W	W	W	103.5	W	867.5
PAD District 3										
December 2016	W	92.5	7,358.4	12,589.0	-	995.1	-	W	6,027.1	14,767.6
November 2016	W	97.9	7,996.0	10,225.3	-	812.1	-	W	5,120.5	17,358.3
December 2015	W	112.1	8,327.0	12,488.1	W	684.6	-	-	5,408.5	12,717.7
Alabama										
December 2016	-	W	354.2	403.6	-	W	-	-	-	465.9
November 2016	-	W	228.4	63.9	-	28.4	-	-	-	293.0
December 2015	-	W	209.9	W	W	W	-	-	-	278.3
Arkansas										
December 2016	W	-	W	W	-	W	-	-	-	W
November 2016	W	W	W	W	-	-	-	-	-	W
December 2015	W	-	W	W	-	-	-	-	-	W
Louisiana										
December 2016	W	4.5	1,183.4	4,385.7	-	W	-	W	W	235.9
November 2016	-	6.9	1,025.2	3,720.7	-	W	-	W	W	151.2
December 2015	-	5.5	931.3	4,656.7	-	W	-	-	W	181.1
Mississippi										
December 2016	-	W	732.7	2,153.9	-	W	-	-	-	390.8
November 2016	-	W	738.1	1,633.7	-	W	-	-	-	254.8
December 2015	-	W	804.5	1,237.3	-	W	-	-	-	348.8
New Mexico										
December 2016	W	-	W	W	-	-	-	-	W	W
November 2016	W	-	W	W	-	-	-	-	W	W
December 2015	W	-	W	82.9	-	-	-	-	W	W
Texas										
December 2016	W	W	5,013.3	5,572.5	-	W	-	-	4,980.7	13,544.3
November 2016	W	86.7	5,933.3	4,707.0	-	4.1	-	-	4,009.1	16,545.6
December 2015	W	W	6,299.3	6,456.4	-	4.3	-	-	3,387.5	11,736.5

See footnotes at end of table.

Table 41. Refiner volumes of aviation fuels, kerosene, No. 1 distillate, and propane (consumer grade) by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline		Kerosene-type jet fuel		Kerosene		No. 1 distillate		Propane (consumer grade)	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4										
December 2016	W	W	806.5	1,055.3	-	-	W	459.4	W	1,338.5
November 2016	W	W	876.3	922.9	-	-	5.7	237.6	W	936.1
December 2015	W	W	1,038.9	404.1	-	-	11.5	340.2	W	1,201.8
Colorado										
December 2016	W	-	294.8	623.3	-	-	W	131.3	W	439.4
November 2016	W	-	381.3	540.3	-	-	W	70.8	W	314.3
December 2015	W	-	397.5	267.7	-	-	W	129.1	W	439.2
Idaho										
December 2016	-	-	W	22.4	-	-	W	26.5	W	63.3
November 2016	-	-	W	20.7	-	-	W	18.9	W	42.0
December 2015	-	-	W	21.7	-	-	W	13.5	W	54.6
Montana										
December 2016	NA	W	W	W	-	-	W	145.8	W	247.0
November 2016	W	W	W	W	-	-	W	65.5	W	139.3
December 2015	-	W	W	W	-	-	W	80.0	W	189.6
Utah										
December 2016	W	W	372.4	334.9	-	-	W	50.3	-	170.8
November 2016	W	W	359.3	302.8	-	-	W	21.8	W	117.9
December 2015	-	W	495.2	56.9	-	-	W	61.2	-	187.1
Wyoming										
December 2016	-	-	W	W	-	-	-	105.5	W	418.0
November 2016	-	-	W	W	-	-	-	60.6	W	322.6
December 2015	-	-	W	W	-	-	-	56.5	W	331.2
PAD District 5										
December 2016	W	167.3	12,226.7	8,026.5	W	W	NA	371.4	W	2,524.5
November 2016	W	W	12,043.5	8,007.5	W	W	W	311.3	W	2,073.6
December 2015	W	W	11,319.0	7,645.0	-	W	W	486.5	82.1	2,493.7
Alaska										
December 2016	W	-	W	W	-	-	W	W	W	W
November 2016	W	W	W	W	-	-	W	W	W	W
December 2015	W	W	W	595.3	-	-	W	372.1	W	W
Arizona										
December 2016	W	W	236.3	182.4	-	-	-	-	-	246.2
November 2016	W	W	202.3	222.5	-	-	-	-	W	169.4
December 2015	W	W	210.1	200.0	-	-	-	-	-	375.8
California										
December 2016	-	W	7,105.0	6,788.6	-	W	-	-	W	1,439.6
November 2016	-	29.9	7,057.7	6,246.3	-	W	-	-	W	1,233.5
December 2015	-	18.7	6,479.0	6,026.5	-	W	-	-	W	1,439.5
Hawaii										
December 2016	-	NA	W	W	-	-	-	-	-	W
November 2016	-	NA	W	W	-	-	-	-	-	W
December 2015	-	W	W	W	-	-	-	-	-	W
Nevada										
December 2016	-	-	W	W	-	-	-	-	-	81.4
November 2016	-	-	W	W	-	-	-	-	-	75.4
December 2015	-	-	W	W	-	-	-	-	-	59.6
Oregon										
December 2016	-	8.2	380.3	36.5	-	-	-	W	W	W
November 2016	-	10.4	414.6	40.7	-	-	-	W	W	W
December 2015	-	3.4	405.4	W	-	-	-	W	W	W
Washington										
December 2016	-	W	1,808.5	188.9	W	-	W	W	W	627.6
November 2016	-	W	1,767.7	300.7	W	-	W	W	W	481.8
December 2015	-	W	1,570.6	278.9	-	-	W	W	W	534.3

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2016 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state
thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States						
December 2016	11,561.7	137,774.2	W	W	W	W
November 2016	12,903.6	140,141.5	W	W	W	W
December 2015	11,276.9	137,116.7	W	W	W	W
PAD District 1						
December 2016	1,631.5	25,011.1	-	W	-	W
November 2016	1,936.0	26,328.0	-	W	-	W
December 2015	1,851.5	24,369.3	-	W	-	W
Subdistrict 1A						
December 2016	32.2	W	-	-	-	-
November 2016	W	W	-	-	-	-
December 2015	32.8	W	-	-	-	-
Connecticut						
December 2016	W	W	-	-	-	-
November 2016	W	W	-	-	-	-
December 2015	W	W	-	-	-	-
Maine						
December 2016	-	W	-	-	-	-
November 2016	-	W	-	-	-	-
December 2015	-	95.7	-	-	-	-
Massachusetts						
December 2016	W	176.9	-	-	-	-
November 2016	W	181.8	-	-	-	-
December 2015	W	207.5	-	-	-	-
New Hampshire						
December 2016	W	W	-	-	-	-
November 2016	W	W	-	-	-	-
December 2015	W	W	-	-	-	-
Rhode Island						
December 2016	W	W	-	-	-	-
November 2016	W	W	-	-	-	-
December 2015	W	W	-	-	-	-
Vermont						
December 2016	W	W	-	-	-	-
November 2016	W	W	-	-	-	-
December 2015	W	W	-	-	-	-
Subdistrict 1B						
December 2016	604.1	W	-	W	-	W
November 2016	W	W	-	W	-	W
December 2015	548.6	W	-	W	-	W
Delaware						
December 2016	W	W	-	-	-	-
November 2016	W	W	-	-	-	-
December 2015	2.8	W	-	-	-	-
District of Columbia						
December 2016	-	W	-	-	-	-
November 2016	-	W	-	-	-	-
December 2015	-	W	-	-	-	-
Maryland						
December 2016	W	W	-	-	-	-
November 2016	W	W	-	-	-	-
December 2015	W	W	-	-	-	-
New Jersey						
December 2016	178.4	W	-	W	-	-
November 2016	W	W	-	W	-	-
December 2015	176.9	W	-	W	-	-
New York						
December 2016	W	W	-	-	-	W
November 2016	W	W	-	-	-	W
December 2015	153.9	W	-	-	-	W
Pennsylvania						
December 2016	W	5,124.5	-	-	-	-
November 2016	W	5,657.9	-	-	-	-
December 2015	W	4,997.8	-	-	-	-

See footnotes at end of table.

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)
thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C						
December 2016	995.2	W	-	-	-	-
November 2016	1,240.0	W	-	-	-	-
December 2015	1,270.1	W	-	-	-	-
Florida						
December 2016	422.0	4,287.9	-	-	-	-
November 2016	471.7	4,454.5	-	-	-	-
December 2015	312.4	4,010.9	-	-	-	-
Georgia						
December 2016	76.7	2,151.6	-	-	-	-
November 2016	101.2	2,268.2	-	-	-	-
December 2015	133.6	2,271.1	-	-	-	-
North Carolina						
December 2016	295.2	W	-	-	-	-
November 2016	398.9	W	-	-	-	-
December 2015	417.8	W	-	-	-	-
South Carolina						
December 2016	W	1,189.0	-	-	-	-
November 2016	W	1,189.1	-	-	-	-
December 2015	W	1,107.8	-	-	-	-
Virginia						
December 2016	15.5	2,248.9	-	-	-	-
November 2016	31.2	2,198.8	-	-	-	-
December 2015	48.5	2,075.9	-	-	-	-
West Virginia						
December 2016	W	W	-	-	-	-
November 2016	W	W	-	-	-	-
December 2015	W	610.3	-	-	-	-
PAD District 2						
December 2016	W	W	-	-	-	-
November 2016	W	W	-	-	-	-
December 2015	W	W	-	-	-	-
Illinois						
December 2016	W	5,882.9	-	-	-	-
November 2016	315.1	6,162.4	-	-	-	-
December 2015	240.7	6,153.6	-	-	-	-
Indiana						
December 2016	W	3,493.2	-	-	-	-
November 2016	W	3,660.4	-	-	-	-
December 2015	W	3,808.8	-	-	-	-
Iowa						
December 2016	21.4	1,819.2	-	-	-	-
November 2016	15.7	2,525.2	-	-	-	-
December 2015	26.2	1,857.3	-	-	-	-
Kansas						
December 2016	W	2,711.2	-	-	-	-
November 2016	W	3,391.5	-	-	-	-
December 2015	484.3	2,647.6	-	-	-	-
Kentucky						
December 2016	W	W	-	-	-	-
November 2016	W	W	-	-	-	-
December 2015	W	W	-	-	-	-
Michigan						
December 2016	W	W	-	-	-	-
November 2016	W	W	-	-	-	-
December 2015	W	W	-	-	-	-
Minnesota						
December 2016	W	1,978.8	-	-	-	-
November 2016	W	2,649.2	-	-	-	-
December 2015	W	2,303.5	-	-	-	-
Missouri						
December 2016	1.5	1,381.0	-	-	-	-
November 2016	W	1,506.2	-	-	-	-
December 2015	W	1,219.5	-	-	-	-

See footnotes at end of table.

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)
thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)						
Nebraska						
December 2016	W	1,207.7	-	-	-	-
November 2016	W	1,471.2	-	-	-	-
December 2015	W	1,304.1	-	-	-	-
North Dakota						
December 2016	W	927.4	-	-	-	-
November 2016	W	1,237.0	-	-	-	-
December 2015	W	1,109.1	-	-	-	-
Ohio						
December 2016	850.5	4,699.3	-	-	-	-
November 2016	924.6	5,247.4	-	-	-	-
December 2015	852.9	4,664.0	-	-	-	-
Oklahoma						
December 2016	W	6,137.6	-	-	-	-
November 2016	W	5,871.8	-	-	-	-
December 2015	W	7,714.0	-	-	-	-
South Dakota						
December 2016	W	403.7	-	-	-	-
November 2016	W	648.0	-	-	-	-
December 2015	W	521.2	-	-	-	-
Tennessee						
December 2016	262.5	2,878.7	-	-	-	-
November 2016	530.7	2,904.3	-	-	-	-
December 2015	505.7	3,035.5	-	-	-	-
Wisconsin						
December 2016	W	W	-	-	-	-
November 2016	W	W	-	-	-	-
December 2015	W	1,984.7	-	-	-	-
PAD District 3						
December 2016	W	49,559.8	W	W	-	W
November 2016	W	45,245.3	W	W	-	W
December 2015	W	44,991.0	W	W	-	W
Alabama						
December 2016	175.5	1,460.6	-	-	-	-
November 2016	164.4	1,489.0	-	-	-	-
December 2015	127.4	1,834.8	-	-	-	-
Arkansas						
December 2016	W	1,373.8	-	-	-	-
November 2016	W	1,332.3	-	-	-	-
December 2015	W	W	-	-	-	-
Louisiana						
December 2016	208.0	W	-	W	-	W
November 2016	241.7	W	-	W	-	376.5
December 2015	W	W	-	W	-	W
Mississippi						
December 2016	110.6	W	-	-	-	-
November 2016	89.5	W	-	-	-	-
December 2015	63.7	W	-	-	-	-
New Mexico						
December 2016	276.7	1,167.5	-	-	-	-
November 2016	265.3	1,130.8	-	-	-	-
December 2015	260.1	1,106.9	-	-	-	-
Texas						
December 2016	1,593.4	32,455.4	W	W	-	W
November 2016	1,713.6	28,263.1	W	W	-	W
December 2015	W	30,484.6	W	W	-	W

See footnotes at end of table.

Table 42. Refiner No. 2 diesel fuel volumes by PAD District and state (cont.)
thousand gallons per day

Geographic area month	No. 2 diesel fuel					
	Ultra-low sulfur		Low-sulfur		High-sulfur	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4						
December 2016	W	6,311.1	-	-	-	-
November 2016	W	6,832.7	-	-	-	-
December 2015	W	6,155.2	-	-	-	-
Colorado						
December 2016	223.2	1,932.7	-	-	-	-
November 2016	261.2	1,885.9	-	-	-	-
December 2015	264.9	2,087.6	-	-	-	-
Idaho						
December 2016	W	726.9	-	-	-	-
November 2016	W	851.8	-	-	-	-
December 2015	W	690.7	-	-	-	-
Montana						
December 2016	187.9	960.2	-	-	-	-
November 2016	W	1,033.2	-	-	-	-
December 2015	W	863.5	-	-	-	-
Utah						
December 2016	W	1,763.9	-	-	-	-
November 2016	331.1	1,797.6	-	-	-	-
December 2015	304.1	1,764.2	-	-	-	-
Wyoming						
December 2016	351.2	927.3	-	-	-	-
November 2016	384.7	1,264.2	-	-	-	-
December 2015	291.5	749.2	-	-	-	-
PAD District 5						
December 2016	W	W	W	-	W	W
November 2016	W	W	W	-	W	W
December 2015	W	W	W	-	W	W
Alaska						
December 2016	W	W	-	-	-	-
November 2016	W	W	-	-	-	-
December 2015	W	W	-	-	-	-
Arizona						
December 2016	362.3	962.8	-	-	-	-
November 2016	381.8	941.2	-	-	-	-
December 2015	456.4	1,126.5	-	-	-	-
California						
December 2016	1,235.5	W	-	-	-	W
November 2016	1,258.5	W	-	-	-	W
December 2015	898.1	12,243.2	-	-	-	-
Hawaii						
December 2016	W	W	W	-	W	W
November 2016	W	W	W	-	W	W
December 2015	92.0	W	W	-	W	W
Nevada						
December 2016	W	406.0	-	-	-	-
November 2016	W	353.1	-	-	-	-
December 2015	W	478.5	-	-	-	-
Oregon						
December 2016	7.4	1,746.4	-	-	-	-
November 2016	9.5	1,930.2	-	-	-	-
December 2015	7.8	2,173.2	-	-	-	-
Washington						
December 2016	W	2,804.5	-	-	-	-
November 2016	W	3,358.9	-	-	-	-
December 2015	W	3,046.3	-	-	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2016 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators, Monthly Petroleum Product Sales Report."

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state
thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States				
December 2016	106.8	14,391.3	12,032.7	155,498.9
November 2016	163.1	9,081.0	13,339.8	151,948.5
December 2015	141.1	10,554.6	11,795.7	150,582.2
PAD District 1				
December 2016	12.1	9,167.9	1,643.5	34,282.3
November 2016	55.1	6,103.5	1,991.1	32,527.0
December 2015	30.5	6,493.2	1,882.0	31,141.9
Subdistrict 1A				
December 2016	-	W	32.2	2,022.5
November 2016	W	W	31.7	1,726.9
December 2015	-	W	32.8	1,671.7
Connecticut				
December 2016	-	W	W	584.1
November 2016	-	W	W	490.1
December 2015	-	W	W	674.5
Maine				
December 2016	-	W	-	146.2
November 2016	W	W	W	136.5
December 2015	-	-	-	95.7
Massachusetts				
December 2016	-	-	W	176.9
November 2016	-	-	W	181.8
December 2015	-	-	W	207.5
New Hampshire				
December 2016	-	W	W	W
November 2016	-	W	W	W
December 2015	-	-	W	W
Rhode Island				
December 2016	-	W	W	W
November 2016	-	W	W	W
December 2015	-	W	W	W
Vermont				
December 2016	-	W	W	W
November 2016	-	W	W	W
December 2015	-	W	W	W
Subdistrict 1B				
December 2016	12.1	8,020.7	616.2	19,461.6
November 2016	W	5,293.0	719.4	17,745.6
December 2015	30.5	5,662.8	579.1	16,998.6
Delaware				
December 2016	-	W	W	W
November 2016	-	W	W	W
December 2015	W	W	W	W
District of Columbia				
December 2016	-	-	-	W
November 2016	-	-	-	W
December 2015	-	-	-	W
Maryland				
December 2016	W	W	W	1,272.5
November 2016	W	W	W	1,161.5
December 2015	W	W	W	1,329.6
New Jersey				
December 2016	-	4,552.2	178.4	8,664.2
November 2016	W	2,908.7	211.5	7,566.4
December 2015	-	3,411.9	176.9	7,084.0
New York				
December 2016	W	1,116.4	173.7	2,243.2
November 2016	W	928.9	176.7	1,907.2
December 2015	-	1,125.5	153.9	2,583.6
Pennsylvania				
December 2016	W	1,884.6	256.4	7,009.1
November 2016	W	1,092.5	317.3	6,750.4
December 2015	W	618.5	218.9	5,616.4

See footnotes at end of table.

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.)
thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
Subdistrict 1C				
December 2016	-	W	995.2	12,798.4
November 2016	-	W	1,240.0	13,054.4
December 2015	-	W	1,270.1	12,471.5
Florida				
December 2016	-	-	422.0	4,287.9
November 2016	-	-	471.7	4,454.5
December 2015	-	-	312.4	4,010.9
Georgia				
December 2016	-	-	76.7	2,151.6
November 2016	-	-	101.2	2,268.2
December 2015	-	-	133.6	2,271.1
North Carolina				
December 2016	-	W	295.2	2,381.7
November 2016	-	W	398.9	2,376.0
December 2015	-	W	417.8	2,395.5
South Carolina				
December 2016	-	-	W	1,189.0
November 2016	-	-	W	1,189.1
December 2015	-	-	W	1,107.8
Virginia				
December 2016	-	-	15.5	2,248.9
November 2016	-	-	31.2	2,198.8
December 2015	-	-	48.5	2,075.9
West Virginia				
December 2016	-	W	W	539.3
November 2016	-	W	W	567.8
December 2015	-	-	W	610.3
PAD District 2				
December 2016	W	W	4,371.8	39,892.3
November 2016	W	W	5,059.2	44,186.8
December 2015	W	W	4,554.1	42,361.3
Illinois				
December 2016	-	-	W	5,882.9
November 2016	-	-	315.1	6,162.4
December 2015	-	-	240.7	6,153.6
Indiana				
December 2016	-	-	W	3,493.2
November 2016	-	-	W	3,660.4
December 2015	-	-	W	3,808.8
Iowa				
December 2016	-	-	21.4	1,819.2
November 2016	-	-	15.7	2,525.2
December 2015	-	-	26.2	1,857.3
Kansas				
December 2016	-	-	W	2,711.2
November 2016	-	-	W	3,391.5
December 2015	-	-	484.3	2,647.6
Kentucky				
December 2016	-	W	W	1,821.8
November 2016	-	W	W	1,873.0
December 2015	-	W	W	1,849.2
Michigan				
December 2016	-	W	W	2,529.2
November 2016	-	W	W	2,726.6
December 2015	-	W	W	2,189.1
Minnesota				
December 2016	W	-	251.2	1,978.8
November 2016	W	-	273.6	2,649.2
December 2015	W	-	258.6	2,303.5
Missouri				
December 2016	-	-	1.5	1,381.0
November 2016	-	-	W	1,506.2
December 2015	-	-	W	1,219.5

See footnotes at end of table.

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.)
thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 2 (cont.)				
Nebraska				
December 2016	-	-	W	1,207.7
November 2016	-	-	W	1,471.2
December 2015	-	-	W	1,304.1
North Dakota				
December 2016	W	-	W	927.4
November 2016	W	-	W	1,237.0
December 2015	W	-	W	1,109.1
Ohio				
December 2016	-	-	850.5	4,699.3
November 2016	-	-	924.6	5,247.4
December 2015	-	-	852.9	4,664.0
Oklahoma				
December 2016	-	-	W	6,137.6
November 2016	-	-	W	5,871.8
December 2015	-	-	W	7,714.0
South Dakota				
December 2016	W	-	W	403.7
November 2016	W	-	W	648.0
December 2015	W	-	66.5	521.2
Tennessee				
December 2016	-	-	262.5	2,878.7
November 2016	-	-	530.7	2,904.3
December 2015	-	-	505.7	3,035.5
Wisconsin				
December 2016	W	W	137.2	2,020.6
November 2016	W	W	181.2	2,312.6
December 2015	W	-	60.7	1,984.7
PAD District 3				
Alabama				
December 2016	-	5,097.3	2,447.2	57,552.5
November 2016	-	2,852.3	2,580.6	50,274.5
December 2015	-	3,998.4	2,119.8	51,573.8
Arkansas				
December 2016	-	-	W	1,373.8
November 2016	-	-	W	1,332.3
December 2015	-	W	W	1,008.3
Louisiana				
December 2016	-	W	208.0	14,715.5
November 2016	-	W	241.7	13,582.1
December 2015	-	1,490.5	W	12,093.2
Mississippi				
December 2016	-	W	W	1,870.8
November 2016	-	W	W	2,362.0
December 2015	-	W	63.7	2,899.7
New Mexico				
December 2016	-	-	276.7	1,167.5
November 2016	-	-	265.3	1,130.8
December 2015	-	-	260.1	1,106.9
Texas				
December 2016	-	4,067.5	1,614.4	36,964.1
November 2016	-	1,837.1	1,740.5	30,378.3
December 2015	-	1,967.4	1,561.0	32,631.0

See footnotes at end of table.

Table 43. Refiner No. 2 distillate and fuel oil volumes by PAD District and state (cont.)
thousand gallons per day

Geographic area month	No. 2 fuel oil		No. 2 distillate	
	Sales to end users	Sales for resale	Sales to end users	Sales for resale
PAD District 4				
December 2016	W	-	1,115.0	6,311.1
November 2016	W	-	1,274.9	6,832.7
December 2015	W	-	1,018.3	6,155.2
Colorado				
December 2016	-	-	223.2	1,932.7
November 2016	-	-	261.2	1,885.9
December 2015	-	-	264.9	2,087.6
Idaho				
December 2016	W	-	53.5	726.9
November 2016	W	-	W	851.8
December 2015	W	-	64.4	690.7
Montana				
December 2016	-	-	187.9	960.2
November 2016	-	-	W	1,033.2
December 2015	W	-	93.4	863.5
Utah				
December 2016	W	-	299.2	1,763.9
November 2016	NA	-	334.0	1,797.6
December 2015	-	-	304.1	1,764.2
Wyoming				
December 2016	-	-	351.2	927.3
November 2016	-	-	384.7	1,264.2
December 2015	-	-	291.5	749.2
PAD District 5				
December 2016	W	W	2,455.2	17,460.6
November 2016	W	W	2,434.0	18,127.5
December 2015	W	W	2,221.5	19,349.9
Alaska				
December 2016	W	W	W	W
November 2016	W	W	W	W
December 2015	W	W	W	W
Arizona				
December 2016	-	-	362.3	962.8
November 2016	-	-	381.8	941.2
December 2015	-	-	456.4	1,126.5
California				
December 2016	-	-	1,235.5	11,237.7
November 2016	-	-	1,258.5	11,087.0
December 2015	-	-	898.1	12,243.2
Hawaii				
December 2016	-	-	W	W
November 2016	-	-	W	W
December 2015	-	-	W	W
Nevada				
December 2016	W	-	129.1	406.0
November 2016	W	-	138.7	353.1
December 2015	W	-	16.9	478.5
Oregon				
December 2016	-	-	7.4	1,746.4
November 2016	-	-	9.5	1,930.2
December 2015	-	-	7.8	2,173.2
Washington				
December 2016	W	-	156.3	2,804.5
November 2016	W	-	151.3	3,358.9
December 2015	W	-	187.3	3,046.3

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2016 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Table 44. Refiner residual fuel oil and no. 4 fuel volumes by PAD District
thousand gallons per day

Geographic area month	Residual fuel oil						No. 4 fuel[a]	
	Sulfur less than or equal to 1%		Sulfur greater than 1%		Total		Sales to end users	Sales for resale
	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale	Sales to end users	Sales for resale
United States								
December 2016	W	592.8	W	6,977.2	4,298.4	7,570.0	-	W
November 2016	NA	707.4	3,097.9	6,511.0	3,958.2	7,218.4	-	W
December 2015	W	557.6	W	8,323.5	3,994.1	8,881.1	-	128.8
PAD District 1								
December 2016	-	W	W	W	W	2,337.0	-	-
November 2016	W	W	W	W	W	1,888.1	-	-
December 2015	W	W	W	W	W	W	-	-
Subdistrict 1A								
December 2016	-	-	-	-	-	-	-	-
November 2016	-	-	-	-	-	-	-	-
December 2015	-	-	-	-	-	-	-	-
Subdistrict 1B								
December 2016	-	W	W	W	W	W	-	-
November 2016	W	W	W	W	W	W	-	-
December 2015	W	W	W	W	W	W	-	-
Subdistrict 1C								
December 2016	-	-	W	W	W	W	-	-
November 2016	-	-	W	W	W	W	-	-
December 2015	-	-	-	-	-	-	-	-
PAD District 2								
December 2016	-	-	-	W	-	W	-	W
November 2016	-	-	-	W	-	W	-	W
December 2015	-	-	-	119.5	-	119.5	-	W
PAD District 3								
December 2016	-	W	W	W	W	3,872.1	-	W
November 2016	-	W	W	W	W	4,424.4	-	W
December 2015	-	318.4	W	3,813.5	W	4,131.9	-	W
PAD District 4								
December 2016	-	W	-	W	-	W	-	-
November 2016	-	W	-	W	-	W	-	-
December 2015	-	NA	-	W	-	W	-	-
PAD District 5								
December 2016	W	W	W	W	3,015.4	1,194.1	-	-
November 2016	W	W	W	W	3,006.0	763.2	-	-
December 2015	W	W	W	W	2,552.8	3,075.1	-	-

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Notes: Values shown for the current month are preliminary. Values shown for previous months may be revised. Data through 2016 are final.

Sources: - U.S. Energy Information Administration Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Prime Supplier Sales Volumes of Petroleum Products for Local Consumption

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state
thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
United States						
December 2016	213,984.7	105,549.7	319,534.5	4,284.8	2,614.4	6,899.1
November 2016	215,295.0	105,702.1	320,997.1	4,319.3	2,635.6	6,954.9
December 2015	207,442.5	102,963.1	310,405.6	4,214.4	2,591.9	6,806.3
PAD District 1						
December 2016	65,058.1	42,477.3	107,535.5	1,396.2	976.2	2,372.4
November 2016	65,018.5	42,295.3	107,313.7	1,414.6	982.1	2,396.8
December 2015	63,894.1	41,152.6	105,046.7	1,419.4	943.6	2,363.0
Subdistrict 1A						
December 2016	1,781.0	13,494.3	15,275.3	14.2	303.0	317.2
November 2016	1,765.1	13,677.0	15,442.0	13.3	304.7	318.1
December 2015	1,777.7	13,194.5	14,972.2	13.2	278.3	291.5
Connecticut						
December 2016	-	3,536.1	3,536.1	-	84.9	84.9
November 2016	-	3,585.1	3,585.1	-	85.2	85.2
December 2015	-	3,804.8	3,804.8	-	80.0	80.0
Maine						
December 2016	676.5	1,139.7	1,816.2	2.7	15.6	18.3
November 2016	685.2	1,071.5	1,756.7	2.6	15.6	18.1
December 2015	699.5	1,008.8	1,708.2	2.7	14.4	17.1
Massachusetts						
December 2016	-	6,299.9	6,299.9	-	149.6	149.6
November 2016	-	6,433.8	6,433.8	-	151.9	151.9
December 2015	-	5,731.9	5,731.9	-	134.8	134.8
New Hampshire						
December 2016	308.7	1,076.0	1,384.7	2.3	20.4	22.6
November 2016	301.0	1,098.2	1,399.2	2.2	19.7	21.8
December 2015	309.4	1,136.9	1,446.3	1.9	18.8	20.7
Rhode Island						
December 2016	-	1,442.5	1,442.5	-	32.5	32.5
November 2016	-	1,488.3	1,488.3	-	32.5	32.5
December 2015	-	1,512.1	1,512.1	-	30.2	30.2
Vermont						
December 2016	795.7	-	795.7	9.3	-	9.3
November 2016	778.9	-	778.9	8.6	-	8.6
December 2015	768.8	-	768.8	8.5	-	8.5
Subdistrict 1B						
December 2016	11,796.4	24,322.1	36,118.5	171.1	537.6	708.7
November 2016	11,616.7	23,933.4	35,550.1	172.9	544.4	717.2
December 2015	11,264.9	23,663.8	34,928.6	170.2	552.4	722.5
Delaware						
December 2016	-	1,077.6	1,077.6	-	13.0	13.0
November 2016	-	1,098.3	1,098.3	-	13.9	13.9
December 2015	-	986.3	986.3	-	12.4	12.4
District of Columbia						
December 2016	-	149.5	149.5	-	7.1	7.1
November 2016	-	150.1	150.1	-	7.1	7.1
December 2015	-	134.9	134.9	-	8.0	8.0
Maryland						
December 2016	484.5	4,329.9	4,814.4	3.8	77.5	81.3
November 2016	492.5	4,455.6	4,948.1	4.3	86.4	90.6
December 2015	426.4	4,373.7	4,800.1	3.5	86.3	89.8
New Jersey						
December 2016	-	9,241.5	9,241.5	-	140.2	140.2
November 2016	-	8,654.0	8,654.0	-	134.1	134.1
December 2015	-	9,164.4	9,164.4	-	155.5	155.5
New York						
December 2016	5,806.4	7,350.1	13,156.5	76.0	248.8	324.9
November 2016	5,762.2	7,400.2	13,162.5	74.9	248.9	323.8
December 2015	5,595.3	6,993.0	12,588.3	76.8	238.2	315.0
Pennsylvania						
December 2016	5,505.5	2,173.4	7,678.9	91.2	51.0	142.2
November 2016	5,362.0	2,175.2	7,537.2	93.7	54.0	147.7
December 2015	5,243.2	2,011.6	7,254.8	89.8	52.1	141.9

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
United States						
December 2016	21,627.3	19,593.4	41,220.6	239,896.9	127,757.6	367,654.5
November 2016	22,018.4	19,861.9	41,880.3	241,632.9	128,199.6	369,832.5
December 2015	21,410.6	18,833.1	40,243.6	233,067.5	124,388.1	357,455.6
PAD District 1						
December 2016	7,003.8	6,769.0	13,772.8	73,458.1	50,222.6	123,680.7
November 2016	7,166.2	6,903.7	14,069.9	73,599.2	50,181.1	123,780.5
December 2015	6,978.2	6,489.7	13,467.8	72,291.7	48,585.8	120,877.6
Subdistrict 1A						
December 2016	132.6	1,779.7	1,912.3	1,927.8	15,576.9	17,504.8
November 2016	128.6	1,863.2	1,991.8	1,907.0	15,844.9	17,751.9
December 2015	120.2	1,656.6	1,776.7	1,911.0	15,129.3	17,040.4
Connecticut						
December 2016	-	541.0	541.0	-	4,162.0	4,162.0
November 2016	-	567.7	567.7	-	4,238.0	4,238.0
December 2015	-	552.4	552.4	-	4,437.3	4,437.3
Maine						
December 2016	52.5	59.5	112.0	731.7	1,214.8	1,946.5
November 2016	50.2	59.0	109.3	738.0	1,146.1	1,884.1
December 2015	47.8	52.1	99.9	750.0	1,075.2	1,825.2
Massachusetts						
December 2016	-	880.6	880.6	-	7,330.2	7,330.2
November 2016	-	922.7	922.7	-	7,508.4	7,508.4
December 2015	-	747.6	747.6	-	6,614.3	6,614.3
New Hampshire						
December 2016	20.4	97.6	118.0	331.4	1,194.0	1,525.4
November 2016	20.2	104.1	124.3	323.4	1,222.0	1,545.4
December 2015	18.7	109.0	127.8	330.0	1,264.7	1,594.7
Rhode Island						
December 2016	-	201.0	201.0	-	1,676.0	1,676.0
November 2016	-	209.6	209.6	-	1,730.4	1,730.4
December 2015	-	195.5	195.5	-	1,737.8	1,737.8
Vermont						
December 2016	59.7	-	59.7	864.7	-	864.7
November 2016	58.1	-	58.1	845.6	-	845.6
December 2015	53.6	-	53.6	831.0	-	831.0
Subdistrict 1B						
December 2016	938.6	4,157.8	5,096.5	12,906.1	29,017.5	41,923.6
November 2016	965.6	4,192.1	5,157.8	12,755.2	28,669.9	41,425.1
December 2015	880.5	4,052.4	4,932.9	12,315.6	28,268.6	40,584.1
Delaware						
December 2016	-	122.6	122.6	-	1,213.2	1,213.2
November 2016	-	137.0	137.0	-	1,249.2	1,249.2
December 2015	-	107.5	107.5	-	1,106.2	1,106.2
District of Columbia						
December 2016	-	33.8	33.8	-	190.5	190.5
November 2016	-	34.5	34.5	-	191.7	191.7
December 2015	-	32.5	32.5	-	175.4	175.4
Maryland						
December 2016	31.6	732.5	764.2	520.0	5,139.9	5,659.9
November 2016	31.4	770.6	802.0	528.2	5,312.5	5,840.8
December 2015	30.6	735.1	765.7	460.5	5,195.0	5,655.6
New Jersey						
December 2016	-	1,337.8	1,337.8	-	10,719.5	10,719.5
November 2016	-	1,264.4	1,264.4	-	10,052.6	10,052.6
December 2015	-	1,337.2	1,337.2	-	10,657.0	10,657.0
New York						
December 2016	458.9	1,586.5	2,045.5	6,341.4	9,185.5	15,526.9
November 2016	479.1	1,631.8	2,110.9	6,316.2	9,281.0	15,597.1
December 2015	435.9	1,565.7	2,001.6	6,108.0	8,796.8	14,904.8
Pennsylvania						
December 2016	448.1	344.5	792.6	6,044.7	2,568.9	8,613.7
November 2016	455.1	353.8	808.9	5,910.8	2,582.9	8,493.8
December 2015	414.0	274.5	688.4	5,747.0	2,338.1	8,085.1

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
Subdistrict 1C						
December 2016	51,480.6	4,661.1	56,141.8	1,210.9	135.6	1,346.5
November 2016	51,636.6	4,684.9	56,321.6	1,228.4	133.0	1,361.5
December 2015	50,851.5	4,294.3	55,145.8	1,236.0	113.0	1,349.0
Florida						
December 2016	18,018.8	-	18,018.8	310.8	-	310.8
November 2016	17,709.3	-	17,709.3	325.4	-	325.4
December 2015	18,134.1	-	18,134.1	326.7	-	326.7
Georgia						
December 2016	11,227.1	-	11,227.1	336.1	-	336.1
November 2016	11,164.4	-	11,164.4	317.6	-	317.6
December 2015	11,116.5	-	11,116.5	340.1	-	340.1
North Carolina						
December 2016	10,450.9	-	10,450.9	268.8	-	268.8
November 2016	10,795.0	-	10,795.0	281.0	-	281.0
December 2015	10,202.6	-	10,202.6	267.7	-	267.7
South Carolina						
December 2016	6,112.5	-	6,112.5	188.5	-	188.5
November 2016	6,187.9	-	6,187.9	192.2	-	192.2
December 2015	5,882.0	-	5,882.0	193.7	-	193.7
Virginia						
December 2016	3,773.0	4,661.1	8,434.1	77.6	135.6	213.2
November 2016	3,860.6	4,684.9	8,545.5	81.5	133.0	214.5
December 2015	3,715.3	4,294.3	8,009.6	76.5	113.0	189.5
West Virginia						
December 2016	1,898.4	-	1,898.4	29.1	-	29.1
November 2016	1,919.5	-	1,919.5	30.7	-	30.7
December 2015	1,801.0	-	1,801.0	31.2	-	31.2
PAD District 2						
December 2016	78,104.8	14,467.0	92,571.8	1,414.4	233.2	1,647.6
November 2016	79,382.5	14,038.0	93,420.5	1,413.1	228.9	1,642.0
December 2015	75,493.3	13,862.7	89,356.1	1,420.7	240.6	1,661.4
Illinois						
December 2016	4,263.2	7,729.7	11,993.0	77.9	116.5	194.4
November 2016	4,378.3	7,535.8	11,914.1	82.3	113.6	195.9
December 2015	4,255.1	7,274.8	11,529.9	84.9	120.4	205.3
Indiana						
December 2016	6,867.1	1,206.3	8,073.5	99.8	24.7	124.6
November 2016	7,056.7	1,144.4	8,201.1	107.2	24.3	131.5
December 2015	6,537.8	1,095.8	7,633.5	101.2	25.3	126.5
Iowa						
December 2016	2,942.3	-	2,942.3	95.5	-	95.5
November 2016	3,171.2	-	3,171.2	98.7	-	98.7
December 2015	2,550.8	-	2,550.8	101.2	-	101.2
Kansas						
December 2016	3,967.4	-	3,967.4	59.5	-	59.5
November 2016	3,972.4	-	3,972.4	60.8	-	60.8
December 2015	3,875.9	-	3,875.9	60.3	-	60.3
Kentucky						
December 2016	3,924.1	1,135.8	5,059.9	61.3	18.4	79.7
November 2016	4,166.0	990.0	5,156.1	61.8	17.9	79.7
December 2015	3,777.6	1,102.0	4,879.6	63.8	21.3	85.1
Michigan						
December 2016	11,658.8	-	11,658.8	80.0	-	80.0
November 2016	11,729.5	-	11,729.5	78.5	-	78.5
December 2015	11,224.1	-	11,224.1	87.0	-	87.0
Minnesota						
December 2016	5,936.7	-	5,936.7	201.5	-	201.5
November 2016	5,805.2	-	5,805.2	183.8	-	183.8
December 2015	5,734.8	-	5,734.8	182.5	-	182.5
Missouri						
December 2016	4,818.6	2,367.1	7,185.7	85.4	42.6	128.0
November 2016	4,906.9	2,401.8	7,308.7	77.9	44.5	122.4
December 2015	4,413.6	2,367.9	6,781.5	84.9	45.8	130.7

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
Subdistrict 1C						
December 2016	5,932.5	831.5	6,764.1	58,624.1	5,628.2	64,252.3
November 2016	6,072.0	848.4	6,920.4	58,937.1	5,666.4	64,603.5
December 2015	5,977.5	780.7	6,758.2	58,065.1	5,188.0	63,253.1
Florida						
December 2016	2,424.3	-	2,424.3	20,753.9	-	20,753.9
November 2016	2,424.6	-	2,424.6	20,459.3	-	20,459.3
December 2015	2,439.0	-	2,439.0	20,899.8	-	20,899.8
Georgia						
December 2016	1,353.9	-	1,353.9	12,917.2	-	12,917.2
November 2016	1,389.2	-	1,389.2	12,871.3	-	12,871.3
December 2015	1,421.0	-	1,421.0	12,877.6	-	12,877.6
North Carolina						
December 2016	1,146.7	-	1,146.7	11,866.4	-	11,866.4
November 2016	1,199.0	-	1,199.0	12,275.1	-	12,275.1
December 2015	1,083.0	-	1,083.0	11,553.4	-	11,553.4
South Carolina						
December 2016	619.1	-	619.1	6,920.0	-	6,920.0
November 2016	633.1	-	633.1	7,013.2	-	7,013.2
December 2015	622.7	-	622.7	6,698.4	-	6,698.4
Virginia						
December 2016	300.6	831.5	1,132.1	4,151.2	5,628.2	9,779.4
November 2016	326.7	848.4	1,175.2	4,268.8	5,666.4	9,935.2
December 2015	317.7	780.7	1,098.4	4,109.6	5,188.0	9,297.6
West Virginia						
December 2016	88.1	-	88.1	2,015.5	-	2,015.5
November 2016	99.3	-	99.3	2,049.4	-	2,049.4
December 2015	94.1	-	94.1	1,926.3	-	1,926.3
PAD District 2						
December 2016	5,616.4	1,573.4	7,189.8	85,135.7	16,273.6	101,409.2
November 2016	5,981.6	1,611.1	7,592.7	86,777.2	15,877.9	102,655.2
December 2015	5,674.2	1,542.5	7,216.7	82,588.2	15,645.9	98,234.2
Illinois						
December 2016	200.1	1,000.7	1,200.8	4,541.2	8,846.9	13,388.1
November 2016	222.9	1,041.3	1,264.2	4,683.5	8,690.7	13,374.2
December 2015	212.0	980.9	1,192.9	4,552.0	8,376.0	12,928.1
Indiana						
December 2016	401.8	111.2	513.0	7,368.7	1,342.3	8,711.0
November 2016	443.2	101.9	545.1	7,607.1	1,270.6	8,877.7
December 2015	418.9	99.2	518.1	7,057.8	1,220.3	8,278.1
Iowa						
December 2016	290.0	-	290.0	3,327.8	-	3,327.8
November 2016	309.1	-	309.1	3,579.0	-	3,579.0
December 2015	280.9	-	280.9	2,932.8	-	2,932.8
Kansas						
December 2016	301.4	-	301.4	4,328.3	-	4,328.3
November 2016	315.0	-	315.0	4,348.2	-	4,348.2
December 2015	291.4	-	291.4	4,227.5	-	4,227.5
Kentucky						
December 2016	220.8	94.5	315.3	4,206.1	1,248.7	5,454.9
November 2016	260.4	89.2	349.6	4,488.2	1,097.2	5,585.4
December 2015	228.2	100.5	328.7	4,069.5	1,223.8	5,293.4
Michigan						
December 2016	625.9	-	625.9	12,364.7	-	12,364.7
November 2016	672.5	-	672.5	12,480.4	-	12,480.4
December 2015	727.9	-	727.9	12,038.9	-	12,038.9
Minnesota						
December 2016	455.1	-	455.1	6,593.3	-	6,593.3
November 2016	476.8	-	476.8	6,465.7	-	6,465.7
December 2015	424.4	-	424.4	6,341.7	-	6,341.7
Missouri						
December 2016	316.0	209.1	525.0	5,220.0	2,618.7	7,838.7
November 2016	350.3	216.8	567.0	5,335.0	2,663.0	7,998.1
December 2015	304.7	211.2	515.9	4,803.3	2,624.9	7,428.2

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 2 (cont.)						
Nebraska						
December 2016	1,936.4	-	1,936.4	46.7	-	46.7
November 2016	1,913.5	-	1,913.5	47.7	-	47.7
December 2015	1,737.3	-	1,737.3	52.5	-	52.5
North Dakota						
December 2016	910.2	-	910.2	36.9	-	36.9
November 2016	940.8	-	940.8	35.0	-	35.0
December 2015	935.9	-	935.9	37.2	-	37.2
Ohio						
December 2016	11,940.9	-	11,940.9	168.6	-	168.6
November 2016	12,131.3	-	12,131.3	173.2	-	173.2
December 2015	11,548.2	-	11,548.2	175.5	-	175.5
Oklahoma						
December 2016	4,927.5	-	4,927.5	69.2	-	69.2
November 2016	5,145.1	-	5,145.1	71.0	-	71.0
December 2015	5,237.2	-	5,237.2	70.4	-	70.4
South Dakota						
December 2016	958.7	-	958.7	41.8	-	41.8
November 2016	979.0	-	979.0	45.1	-	45.1
December 2015	913.1	-	913.1	38.2	-	38.2
Tennessee						
December 2016	8,398.8	-	8,398.8	213.1	-	213.1
November 2016	8,410.4	-	8,410.4	216.3	-	216.3
December 2015	8,235.4	-	8,235.4	210.5	-	210.5
Wisconsin						
December 2016	4,654.1	2,028.0	6,682.1	77.2	31.0	108.2
November 2016	4,676.3	1,965.9	6,642.2	73.9	28.6	102.5
December 2015	4,516.7	2,022.3	6,538.9	70.7	27.9	98.6
PAD District 3						
December 2016	42,946.5	14,378.2	57,324.6	773.3	321.1	1,094.4
November 2016	42,938.0	14,652.5	57,590.5	791.9	333.8	1,125.8
December 2015	40,675.8	14,207.4	54,883.1	669.8	303.4	973.2
Alabama						
December 2016	5,723.1	-	5,723.1	106.4	-	106.4
November 2016	6,033.2	-	6,033.2	109.7	-	109.7
December 2015	5,619.6	-	5,619.6	110.2	-	110.2
Arkansas						
December 2016	3,594.3	-	3,594.3	54.0	-	54.0
November 2016	3,635.1	-	3,635.1	54.0	-	54.0
December 2015	3,554.7	-	3,554.7	56.3	-	56.3
Louisiana						
December 2016	6,728.1	-	6,728.1	73.7	-	73.7
November 2016	7,002.3	-	7,002.3	73.5	-	73.5
December 2015	6,364.7	-	6,364.7	85.6	-	85.6
Mississippi						
December 2016	4,384.8	-	4,384.8	66.1	-	66.1
November 2016	4,192.9	-	4,192.9	68.2	-	68.2
December 2015	3,986.1	-	3,986.1	71.4	-	71.4
New Mexico						
December 2016	2,210.8	-	2,210.8	88.7	-	88.7
November 2016	2,220.4	-	2,220.4	89.0	-	89.0
December 2015	2,202.8	-	2,202.8	85.7	-	85.7
Texas						
December 2016	20,305.4	14,378.2	34,683.6	384.5	321.1	705.6
November 2016	19,854.1	14,652.5	34,506.6	397.4	333.8	731.3
December 2015	18,947.9	14,207.4	33,155.3	260.7	303.4	564.1

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 2 (cont.)						
Nebraska						
December 2016	212.1	-	212.1	2,195.2	-	2,195.2
November 2016	209.1	-	209.1	2,170.3	-	2,170.3
December 2015	201.9	-	201.9	1,991.6	-	1,991.6
North Dakota						
December 2016	102.0	-	102.0	1,049.1	-	1,049.1
November 2016	91.0	-	91.0	1,066.8	-	1,066.8
December 2015	90.8	-	90.8	1,063.9	-	1,063.9
Ohio						
December 2016	788.7	-	788.7	12,898.2	-	12,898.2
November 2016	854.2	-	854.2	13,158.7	-	13,158.7
December 2015	830.8	-	830.8	12,554.4	-	12,554.4
Oklahoma						
December 2016	452.1	-	452.1	5,448.7	-	5,448.7
November 2016	476.3	-	476.3	5,692.4	-	5,692.4
December 2015	435.3	-	435.3	5,742.9	-	5,742.9
South Dakota						
December 2016	89.9	-	89.9	1,090.4	-	1,090.4
November 2016	92.2	-	92.2	1,116.2	-	1,116.2
December 2015	92.8	-	92.8	1,044.1	-	1,044.1
Tennessee						
December 2016	832.7	-	832.7	9,444.6	-	9,444.6
November 2016	874.9	-	874.9	9,501.6	-	9,501.6
December 2015	856.6	-	856.6	9,302.5	-	9,302.5
Wisconsin						
December 2016	328.1	157.9	486.0	5,059.4	2,216.9	7,276.3
November 2016	333.8	161.9	495.7	5,084.0	2,156.4	7,240.3
December 2015	277.7	150.7	428.5	4,865.1	2,200.9	7,066.0
PAD District 3						
	3,699.5	2,074.8	5,774.2	47,419.3	16,774.1	64,193.3
December 2016	3,655.5	2,227.6	5,883.1	47,385.3	17,214.0	64,599.3
November 2016	3,660.9	2,227.3	5,888.2	45,006.5	16,738.0	61,744.5
Alabama						
December 2016	488.4	-	488.4	6,317.8	-	6,317.8
November 2016	536.9	-	536.9	6,679.8	-	6,679.8
December 2015	502.7	-	502.7	6,232.5	-	6,232.5
Arkansas						
December 2016	260.4	-	260.4	3,908.7	-	3,908.7
November 2016	288.7	-	288.7	3,977.8	-	3,977.8
December 2015	264.7	-	264.7	3,875.6	-	3,875.6
Louisiana						
December 2016	555.0	-	555.0	7,356.7	-	7,356.7
November 2016	575.2	-	575.2	7,651.0	-	7,651.0
December 2015	560.2	-	560.2	7,010.5	-	7,010.5
Mississippi						
December 2016	358.2	-	358.2	4,809.1	-	4,809.1
November 2016	377.0	-	377.0	4,638.1	-	4,638.1
December 2015	330.2	-	330.2	4,387.6	-	4,387.6
New Mexico						
December 2016	275.0	-	275.0	2,574.4	-	2,574.4
November 2016	282.3	-	282.3	2,591.8	-	2,591.8
December 2015	295.5	-	295.5	2,584.0	-	2,584.0
Texas						
December 2016	1,762.5	2,074.8	3,837.3	22,452.5	16,774.1	39,226.5
November 2016	1,595.3	2,227.6	3,822.9	21,846.9	17,214.0	39,060.8
December 2015	1,707.7	2,227.3	3,934.9	20,916.3	16,738.0	37,654.3

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Regular			Midgrade		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 4						
December 2016	11,544.5	-	11,544.5	319.8	-	319.8
November 2016	11,528.3	-	11,528.3	321.2	-	321.2
December 2015	11,254.1	-	11,254.1	337.2	-	337.2
Colorado						
December 2016	4,834.9	-	4,834.9	139.9	-	139.9
November 2016	4,753.4	-	4,753.4	139.0	-	139.0
December 2015	4,674.6	-	4,674.6	149.9	-	149.9
Idaho						
December 2016	1,632.5	-	1,632.5	24.7	-	24.7
November 2016	1,586.8	-	1,586.8	24.4	-	24.4
December 2015	1,675.5	-	1,675.5	26.5	-	26.5
Montana						
December 2016	1,467.3	-	1,467.3	71.9	-	71.9
November 2016	1,542.9	-	1,542.9	70.3	-	70.3
December 2015	1,392.3	-	1,392.3	75.3	-	75.3
Utah						
December 2016	2,846.8	-	2,846.8	62.3	-	62.3
November 2016	2,795.2	-	2,795.2	62.8	-	62.8
December 2015	2,745.3	-	2,745.3	62.3	-	62.3
Wyoming						
December 2016	762.9	-	762.9	21.0	-	21.0
November 2016	850.1	-	850.1	24.6	-	24.6
December 2015	766.4	-	766.4	23.3	-	23.3
PAD District 5						
December 2016	16,330.9	34,227.1	50,558.1	381.1	1,083.8	1,464.9
November 2016	16,427.9	34,716.3	51,144.1	378.5	1,090.8	1,469.3
December 2015	16,125.3	33,740.3	49,865.6	367.3	1,104.3	1,471.5
Alaska						
December 2016	620.6	-	620.6	W	-	W
November 2016	590.3	-	590.3	W	-	W
December 2015	596.3	-	596.3	10.3	-	10.3
Arizona						
December 2016	2,622.2	4,513.5	7,135.7	W	W	156.7
November 2016	2,635.5	4,512.8	7,148.3	W	W	157.8
December 2015	W	W	6,711.5	64.8	95.6	160.4
California						
December 2016	-	29,713.6	29,713.6	-	W	983.1
November 2016	-	30,203.5	30,203.5	-	W	991.9
December 2015	-	29,659.9	29,659.9	-	1,008.6	1,008.6
Hawaii						
December 2016	1,014.6	-	1,014.6	W	-	W
November 2016	952.8	-	952.8	W	-	W
December 2015	973.4	-	973.4	65.6	-	65.6
Nevada						
December 2016	2,423.0	-	2,423.0	91.8	-	91.8
November 2016	2,379.8	-	2,379.8	92.9	-	92.9
December 2015	W	W	2,322.5	85.4	-	85.4
Oregon						
December 2016	3,524.9	-	3,524.9	33.3	-	33.3
November 2016	3,822.4	-	3,822.4	35.4	-	35.4
December 2015	3,579.9	-	3,579.9	36.6	-	36.6
Washington						
December 2016	6,125.6	-	6,125.6	103.7	-	103.7
November 2016	6,047.0	-	6,047.0	101.2	-	101.2
December 2015	6,022.3	-	6,022.3	104.6	-	104.6

See footnotes at end of table.

Table 45. Prime supplier sales volumes of motor gasoline by grade, formulation, PAD District, and state (cont.)
thousand gallons per day

Geographic area month	Premium			All grades		
	Conventional	Reformulated	Total	Conventional	Reformulated	Total
PAD District 4						
December 2016	2,398.3	-	2,398.3	14,262.5	-	14,262.5
November 2016	2,372.5	-	2,372.5	14,221.9	-	14,221.9
December 2015	2,304.5	-	2,304.5	13,895.8	-	13,895.8
Colorado						
December 2016	968.4	-	968.4	5,943.2	-	5,943.2
November 2016	973.9	-	973.9	5,866.3	-	5,866.3
December 2015	935.1	-	935.1	5,759.6	-	5,759.6
Idaho						
December 2016	259.9	-	259.9	1,917.2	-	1,917.2
November 2016	244.3	-	244.3	1,855.5	-	1,855.5
December 2015	263.9	-	263.9	1,965.8	-	1,965.8
Montana						
December 2016	295.7	-	295.7	1,835.0	-	1,835.0
November 2016	285.5	-	285.5	1,898.6	-	1,898.6
December 2015	270.6	-	270.6	1,738.2	-	1,738.2
Utah						
December 2016	731.4	-	731.4	3,640.5	-	3,640.5
November 2016	721.2	-	721.2	3,579.2	-	3,579.2
December 2015	704.8	-	704.8	3,512.3	-	3,512.3
Wyoming						
December 2016	142.9	-	142.9	926.7	-	926.7
November 2016	147.6	-	147.6	1,022.3	-	1,022.3
December 2015	130.2	-	130.2	919.9	-	919.9
PAD District 5						
December 2016	2,909.4	9,176.2	12,085.6	19,621.4	44,487.1	64,108.5
November 2016	2,842.7	9,119.4	11,962.1	19,649.0	44,926.5	64,575.5
December 2015	2,792.7	8,573.6	11,366.4	19,285.3	43,418.3	62,703.6
Alaska						
December 2016	W	-	W	708.5	-	708.5
November 2016	W	-	W	668.5	-	668.5
December 2015	70.0	-	70.0	676.5	-	676.5
Arizona						
December 2016	W	W	979.8	2,994.1	5,278.0	8,272.1
November 2016	W	W	972.0	W	W	8,278.1
December 2015	W	W	926.2	W	W	7,798.1
California						
December 2016	-	W	8,512.4	-	39,209.1	39,209.1
November 2016	-	W	8,473.1	-	39,668.5	39,668.5
December 2015	-	7,986.2	7,986.2	-	38,654.6	38,654.6
Hawaii						
December 2016	W	-	W	1,409.1	-	1,409.1
November 2016	W	-	W	1,273.0	-	1,273.0
December 2015	259.4	-	259.4	1,298.3	-	1,298.3
Nevada						
December 2016	597.0	-	597.0	3,111.8	-	3,111.8
November 2016	W	W	589.3	W	W	3,062.0
December 2015	W	W	563.3	W	W	2,971.1
Oregon						
December 2016	463.9	-	463.9	4,022.2	-	4,022.2
November 2016	492.2	-	492.2	4,350.0	-	4,350.0
December 2015	449.0	-	449.0	4,065.6	-	4,065.6
Washington						
December 2016	1,146.3	-	1,146.3	7,375.6	-	7,375.6
November 2016	1,127.4	-	1,127.4	7,275.6	-	7,275.6
December 2015	1,112.3	-	1,112.3	7,239.3	-	7,239.3

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

Notes: - Beginning January 2007, oxygenated gasoline is included in conventional gasoline. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2016 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration, Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil			Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%		
United States								
December 2016	427.3	58,527.8	199.1	45,620.1	1,581.0	9,710.4		11,291.4
November 2016	423.7	59,103.3	53.3	33,644.3	1,651.9	9,633.0		11,284.9
December 2015	343.4	58,987.8	W	36,654.6	1,511.4	10,173.3		11,684.7
PAD District 1								
December 2016	103.3	14,827.7	W	11,766.6	529.5	3,945.6		4,475.2
November 2016	141.4	14,341.5	W	7,677.7	W	W		4,226.5
December 2015	115.4	14,686.9	W	8,062.3	W	W		3,714.4
Subdistrict 1A								
December 2016	10.1	1,343.9	W	2,786.4	W	W		208.0
November 2016	14.8	1,225.0	W	1,758.1	W	W		W
December 2015	13.4	1,054.0	W	1,900.4	51.1	33.5		84.5
Connecticut								
December 2016	W	169.2	W	293.9	W	-		W
November 2016	1.9	182.8	W	179.6	W	-		W
December 2015	1.7	160.6	W	154.9	W	-		W
Maine								
December 2016	W	79.5	W	722.5	W	W		22.0
November 2016	3.1	91.6	W	426.0	W	W		23.3
December 2015	2.4	66.5	W	496.2	W	W		29.4
Massachusetts								
December 2016	6.4	944.8	W	583.2	W	W		153.6
November 2016	7.3	827.2	W	365.5	W	W		W
December 2015	6.4	688.3	W	402.4	W	W		28.5
New Hampshire								
December 2016	0.7	45.2	W	697.0	W	W		W
November 2016	2.0	38.5	W	456.5	W	W		W
December 2015	1.6	29.8	W	479.9	W	W		W
Rhode Island								
December 2016	W	77.5	W	57.2	W	-		W
November 2016	W	61.5	W	37.3	W	W		W
December 2015	W	76.7	W	30.6	W	W		W
Vermont								
December 2016	W	27.6	W	432.5	W	-		W
November 2016	W	23.4	W	293.2	W	-		W
December 2015	W	32.2	W	336.3	W	-		W
Subdistrict 1B								
December 2016	18.0	8,478.1	W	4,273.8	W	W		2,750.5
November 2016	25.3	8,131.8	W	2,754.3	418.5	2,255.7		2,674.2
December 2015	18.6	7,688.8	W	2,987.0	502.2	1,703.1		2,205.3
Delaware								
December 2016	W	W	-	W	W	W		W
November 2016	W	W	-	W	W	W		W
December 2015	0.6	W	-	W	W	-		W
District of Columbia								
December 2016	-	W	-	W	-	-		-
November 2016	-	W	-	W	-	-		-
December 2015	-	W	-	W	-	-		-
Maryland								
December 2016	W	138.2	-	491.6	-	W		W
November 2016	W	141.8	-	299.3	-	-		-
December 2015	3.1	145.9	-	302.6	-	W		W
New Jersey								
December 2016	4.0	2,768.1	-	342.7	19.3	1,521.7		1,541.0
November 2016	4.9	2,532.3	-	243.5	29.6	1,469.0		1,498.6
December 2015	3.9	3,537.0	-	252.8	W	W		1,152.1
New York								
December 2016	5.1	3,545.9	W	1,588.1	W	W		872.4
November 2016	7.3	3,405.0	W	1,008.6	W	W		775.1
December 2015	5.7	3,176.4	W	1,162.9	W	W		815.9
Pennsylvania								
December 2016	5.5	2,014.9	-	1,616.2	W	W		320.8
November 2016	8.7	2,042.1	-	1,070.1	W	W		W
December 2015	5.2	820.1	-	1,143.2	W	W		227.2

See footnotes at end of table.

Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a] (consumer grade)	Propane	Residual fuel oil		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
Subdistrict 1C							
December 2016	75.2	5,005.8	-	4,706.5	-	1,516.7	1,516.7
November 2016	101.3	4,984.7	-	3,165.3	-	W	W
December 2015	83.5	5,944.1	-	3,174.9	W	W	1,424.5
Florida							
December 2016	44.9	2,954.2	-	NA	-	1,162.4	1,162.4
November 2016	58.9	2,956.0	-	NA	-	1,002.3	1,002.3
December 2015	49.5	4,177.4	-	529.8	-	990.5	990.5
Georgia							
December 2016	10.6	520.0	-	804.6	-	93.5	93.5
November 2016	15.0	508.2	-	546.7	-	W	W
December 2015	12.5	410.7	-	583.5	W	W	166.4
North Carolina							
December 2016	8.4	272.9	-	1,390.4	-	12.5	12.5
November 2016	10.9	289.8	-	905.5	-	W	W
December 2015	8.1	237.6	-	958.6	-	W	W
South Carolina							
December 2016	5.6	185.3	-	835.7	-	W	W
November 2016	6.0	173.5	-	564.5	-	W	W
December 2015	4.8	169.1	-	565.0	-	W	W
Virginia							
December 2016	W	1,054.4	-	753.5	-	W	W
November 2016	9.3	1,037.3	-	468.9	-	W	W
December 2015	6.9	930.7	-	445.8	-	W	W
West Virginia							
December 2016	W	19.0	-	156.2	-	-	-
November 2016	1.2	19.9	-	89.5	-	-	-
December 2015	1.7	18.5	-	92.3	-	-	-
PAD District 2							
December 2016	59.1	9,782.8	W	14,872.0	W	90.9	W
November 2016	97.9	10,064.5	W	8,216.0	-	W	W
December 2015	77.0	10,490.4	W	11,332.7	-	W	W
Illinois							
December 2016	4.2	2,239.9	-	1,318.8	-	-	-
November 2016	10.7	2,638.9	-	819.5	-	-	-
December 2015	10.4	2,764.5	-	1,187.6	-	-	-
Indiana							
December 2016	4.1	914.5	-	801.9	-	W	W
November 2016	7.4	886.1	-	403.8	-	W	W
December 2015	4.8	1,001.3	-	561.8	-	W	W
Iowa							
December 2016	W	92.8	-	1,484.0	-	-	-
November 2016	5.0	85.2	-	725.9	-	-	-
December 2015	5.0	97.2	-	1,130.1	-	-	-
Kansas							
December 2016	5.0	134.6	-	1,386.7	-	-	-
November 2016	7.4	133.4	-	630.3	-	-	-
December 2015	5.6	143.6	-	1,055.9	-	-	-
Kentucky							
December 2016	2.7	1,504.0	W	547.0	-	W	W
November 2016	3.5	1,362.4	W	287.6	-	W	W
December 2015	2.7	1,458.5	W	378.2	-	W	W
Michigan							
December 2016	4.5	376.1	-	1,305.3	-	W	W
November 2016	7.8	378.0	-	803.7	-	W	W
December 2015	4.8	355.8	-	1,115.2	-	W	W
Minnesota							
December 2016	5.1	334.6	-	1,547.3	-	W	W
November 2016	7.3	345.3	-	916.9	-	W	W
December 2015	5.6	518.9	-	1,071.9	-	W	W
Missouri							
December 2016	5.7	285.5	-	1,427.5	-	-	-
November 2016	8.3	255.4	-	629.8	-	-	-
December 2015	5.0	349.2	-	1,008.0	-	-	-

See footnotes at end of table.

Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil			Total residual fuel oil					
					Sulfur less than or equal to 1%	Sulfur greater than 1%							
PAD District 2 (cont.)													
Nebraska													
December 2016	3.2	130.7	-	521.9	-	-	-	-					
November 2016	2.9	111.1	-	175.0	-	-	-	-					
December 2015	2.7	121.8	-	425.6	-	-	-	-					
North Dakota													
December 2016	W	98.9	-	641.9	-	-	-	-					
November 2016	4.7	112.8	-	463.3	-	-	-	-					
December 2015	3.4	94.6	-	490.5	-	-	-	-					
Ohio													
December 2016	3.9	1,120.9	-	1,091.2	W	-	-	W					
November 2016	9.1	1,097.0	-	714.5	-	-	-	-					
December 2015	9.7	1,084.8	-	757.5	-	-	-	-					
Oklahoma													
December 2016	4.2	846.1	-	373.1	-	-	-	-					
November 2016	6.6	1,010.1	-	220.6	-	-	-	-					
December 2015	6.6	822.0	-	375.4	-	-	-	-					
South Dakota													
December 2016	2.5	40.5	-	390.9	-	W	-	W					
November 2016	1.9	38.9	-	171.6	-	W	-	W					
December 2015	W	95.2	-	312.5	-	W	-	W					
Tennessee													
December 2016	4.5	1,496.5	-	435.8	-	W	-	W					
November 2016	10.1	1,459.6	-	317.6	-	W	-	W					
December 2015	W	1,437.3	-	270.2	-	W	-	W					
Wisconsin													
December 2016	5.3	167.1	-	1,598.6	-	W	-	W					
November 2016	5.2	150.4	-	935.9	-	W	-	W					
December 2015	3.2	145.7	-	1,192.5	-	W	-	W					
PAD District 3													
December 2016	57.5	13,636.5	-	13,814.8	185.3	2,217.2	-	2,402.5					
November 2016	84.5	14,011.2	-	13,825.3	W	W	-	2,472.2					
December 2015	62.3	13,182.9	-	12,089.6	W	W	-	3,676.3					
Alabama													
December 2016	4.7	419.9	-	482.6	-	W	-	W					
November 2016	8.8	305.2	-	309.6	-	W	-	W					
December 2015	4.4	314.3	-	311.3	W	134.0	-	W					
Arkansas													
December 2016	2.8	122.8	-	321.4	-	-	-	-					
November 2016	6.9	140.2	-	203.8	-	-	-	-					
December 2015	4.4	124.9	-	263.9	-	-	-	-					
Louisiana													
December 2016	5.0	2,542.3	-	1,317.5	W	W	-	757.5					
November 2016	8.8	2,081.8	-	1,274.6	W	W	-	917.2					
December 2015	5.7	3,763.8	-	2,236.8	-	955.3	-	955.3					
Mississippi													
December 2016	4.0	2,116.9	-	417.1	-	W	-	W					
November 2016	3.6	1,766.9	-	276.4	-	W	-	W					
December 2015	4.5	973.9	-	389.8	-	W	-	W					
New Mexico													
December 2016	4.2	122.6	-	202.7	-	-	-	-					
November 2016	4.6	126.5	-	181.6	-	-	-	-					
December 2015	3.2	150.7	-	316.4	-	-	-	-					
Texas													
December 2016	36.8	8,311.9	-	11,073.5	W	W	-	1,533.1					
November 2016	51.7	9,590.5	-	11,579.4	85.8	1,356.4	-	1,442.2					
December 2015	40.1	7,855.2	-	8,571.3	W	W	-	2,480.0					

See footnotes at end of table.

Table 46. Prime supplier sales volumes of aviation fuels, no. 4 fuel oil, propane, and residual fuel oil by PAD District and state (cont.)

thousand gallons per day

Geographic area month	Aviation gasoline	Kerosene-type jet fuel	No. 4 fuel oil[a]	Propane (consumer grade)	Residual fuel oil		Total residual fuel oil
					Sulfur less than or equal to 1%	Sulfur greater than 1%	
PAD District 4							
December 2016	17.9	1,867.0	-	1,564.1	W	-	W
November 2016	25.0	1,806.6	-	1,042.2	W	-	W
December 2015	18.2	1,788.4	-	1,507.9	W	-	W
Colorado							
December 2016	6.4	941.9	-	517.4	-	-	-
November 2016	9.8	923.7	-	320.1	-	-	-
December 2015	7.0	918.9	-	534.4	-	-	-
Idaho							
December 2016	W	81.1	-	163.3	-	-	-
November 2016	3.7	81.9	-	102.4	-	-	-
December 2015	W	86.5	-	161.9	-	-	-
Montana							
December 2016	5.2	82.9	-	360.4	-	-	-
November 2016	W	68.0	-	191.6	-	-	-
December 2015	3.8	99.4	-	304.6	-	-	-
Utah							
December 2016	4.5	686.9	-	167.5	-	-	-
November 2016	5.5	656.4	-	125.3	-	-	-
December 2015	4.4	637.5	-	175.0	-	-	-
Wyoming							
December 2016	W	NA	-	355.4	W	-	W
November 2016	W	76.7	-	302.8	W	-	W
December 2015	W	46.2	-	332.0	W	-	W
PAD District 5							
December 2016	189.5	18,413.9	-	3,602.6	NA	3,456.7	4,308.9
November 2016	74.9	18,879.4	-	2,883.1	NA	3,575.3	4,492.6
December 2015	70.5	18,839.1	-	3,662.2	840.7	3,381.9	4,222.5
Alaska							
December 2016	W	1,865.3	-	W	-	-	-
November 2016	W	2,113.5	-	W	-	-	-
December 2015	W	1,988.8	-	W	-	-	-
Arizona							
December 2016	13.6	445.2	-	345.4	-	-	-
November 2016	15.0	457.8	-	272.3	-	-	-
December 2015	17.1	440.8	-	389.6	-	-	-
California							
December 2016	157.7	11,889.4	-	1,893.9	W	W	2,164.8
November 2016	41.0	12,050.2	-	1,590.6	W	W	2,190.4
December 2015	36.8	12,095.2	-	2,063.0	W	W	2,317.7
Hawaii							
December 2016	NA	1,222.9	-	W	W	W	NA
November 2016	NA	1,181.2	-	W	W	W	NA
December 2015	W	1,435.7	-	W	W	W	965.5
Nevada							
December 2016	W	565.1	-	155.6	-	-	-
November 2016	W	631.4	-	101.3	-	-	-
December 2015	W	559.3	-	181.4	-	-	-
Oregon							
December 2016	6.3	421.2	-	238.5	-	-	-
November 2016	7.8	458.6	-	180.4	-	-	-
December 2015	4.6	487.7	-	188.6	-	W	W
Washington							
December 2016	6.2	2,004.9	-	914.2	-	1,169.3	1,169.3
November 2016	4.9	1,986.7	-	690.9	-	1,201.4	1,201.4
December 2015	5.0	1,831.6	-	798.5	-	W	W

- = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

[a] Includes No. 4 fuel oil and No. 4 diesel fuel.

Notes: Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2016 are final. Totals may not equal the sum of the components due to rounding.
Sources: U.S. Energy Information Administration, Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."

Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state
thousand gallons per day

Geographic area month	Kerosene	No. 1 distillate	No. 2 fuel oil	Ultra-low sulfur	No. 2 distillate			Total distillate and kerosene	
					No. 2 diesel fuel				
					Low-sulfur	High-sulfur	No. 2 distillate		
United States									
December 2016	1,573.1	3,591.5	14,894.0	141,827.0	W	W	157,849.2	163,212.7	
November 2016	1,092.5	1,926.7	8,945.2	153,408.7	W	W	163,635.5	166,708.0	
December 2015	W	2,682.3	11,095.9	144,816.7	68.9	874.9	156,856.5	161,019.5	
PAD District 1									
December 2016	652.7	W	14,459.7	36,891.1	-	185.4	51,536.3	52,506.3	
November 2016	340.7	W	8,494.6	38,804.3	-	190.9	47,489.8	47,958.8	
December 2015	497.0	W	10,844.5	35,835.6	-	205.2	46,885.3	47,613.3	
Subdistrict 1A									
December 2016	201.2	W	7,342.3	W	-	W	10,705.4	10,992.0	
November 2016	112.4	W	4,265.8	W	-	W	7,694.0	7,862.8	
December 2015	160.7	W	5,361.2	W	-	W	8,677.8	8,890.8	
Connecticut									
December 2016	W	16.0	1,837.9	697.2	-	-	2,535.1	2,556.6	
November 2016	W	8.6	1,088.0	736.0	-	-	1,823.9	1,837.1	
December 2015	W	6.9	1,312.7	826.7	-	-	2,139.4	2,149.2	
Maine									
December 2016	140.8	W	1,377.5	610.9	-	-	1,988.4	2,135.6	
November 2016	73.0	W	739.5	W	-	W	1,330.8	1,406.1	
December 2015	109.7	W	1,095.6	W	-	W	1,689.6	1,809.4	
Massachusetts									
December 2016	13.2	W	2,066.6	W	-	W	3,235.4	3,258.8	
November 2016	6.3	W	1,213.5	W	-	W	2,389.4	2,402.1	
December 2015	8.6	W	1,429.1	W	-	W	2,464.4	2,480.4	
New Hampshire									
December 2016	26.1	W	990.2	329.4	-	-	1,319.6	1,358.3	
November 2016	20.6	W	522.3	336.2	-	-	858.5	885.7	
December 2015	24.8	W	652.3	377.1	-	-	1,029.4	1,060.9	
Rhode Island									
December 2016	W	W	686.2	370.5	-	-	1,056.7	1,068.5	
November 2016	W	W	446.0	W	-	W	839.7	849.7	
December 2015	W	W	563.8	298.8	-	-	862.6	865.7	
Vermont									
December 2016	15.2	W	384.0	186.2	-	-	570.2	614.2	
November 2016	8.0	W	256.5	195.2	-	-	451.7	482.1	
December 2015	14.4	W	307.6	184.8	-	-	492.5	525.3	
Subdistrict 1B									
December 2016	296.8	W	6,998.9	12,879.9	-	132.7	20,011.5	20,518.0	
November 2016	148.9	W	4,177.1	13,810.8	-	124.0	18,111.9	18,319.5	
December 2015	222.0	W	5,421.7	12,856.7	-	106.3	18,384.6	18,750.0	
Delaware									
December 2016	W	-	W	244.1	-	W	W	337.5	
November 2016	W	-	W	292.7	-	W	W	357.2	
December 2015	W	-	W	508.4	-	W	W	581.2	
District of Columbia									
December 2016	W	-	W	W	-	-	W	51.5	
November 2016	-	-	W	W	-	-	46.5	46.5	
December 2015	-	-	W	W	-	-	47.3	47.3	
Maryland									
December 2016	23.6	-	416.8	W	-	W	1,968.1	1,991.8	
November 2016	W	-	239.8	1,614.6	-	W	W	1,870.6	
December 2015	15.6	-	344.7	W	-	W	1,839.5	1,855.2	
New Jersey									
December 2016	W	W	1,861.1	W	-	W	5,245.9	5,358.0	
November 2016	W	W	1,122.2	W	-	W	4,983.9	5,021.4	
December 2015	W	-	1,302.5	3,424.5	-	W	W	4,827.1	
New York									
December 2016	117.4	W	2,913.7	W	-	W	6,270.6	6,596.7	
November 2016	74.1	W	1,712.0	W	-	W	4,979.7	5,111.5	
December 2015	117.1	W	2,453.8	W	-	W	5,461.2	5,721.3	
Pennsylvania									
December 2016	40.6	0.4	1,711.6	W	-	W	6,141.5	6,182.5	
November 2016	19.3	0.7	1,041.4	W	-	W	5,892.4	5,912.3	
December 2015	W	W	1,245.9	W	-	W	5,695.5	5,717.9	

See footnotes at end of table.

Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state (cont.)
thousand gallons per day

Geographic area month	Kerosene	No. 1 distillate	No. 2 fuel oil	No. 2 distillate				Total distillate and kerosene	
				No. 2 diesel fuel					
				Ultra-low sulfur	Low-sulfur	High-sulfur	No. 2 distillate		
Subdistrict 1C									
December 2016	154.6	22.3	118.5	W	-	W	20,819.4	20,996.4	
November 2016	79.4	13.2	51.7	W	-	W	21,684.0	21,776.6	
December 2015	114.3	35.3	61.6	W	-	W	19,822.9	19,972.5	
Florida									
December 2016	W	W	-	W	-	W	5,862.5	5,863.8	
November 2016	W	-	-	6,010.5	-	W	W	6,073.0	
December 2015	W	W	-	W	-	W	5,645.2	5,646.3	
Georgia									
December 2016	W	W	-	W	-	W	4,273.4	4,278.9	
November 2016	W	W	-	W	-	W	4,488.6	4,492.7	
December 2015	W	W	-	W	-	W	4,217.1	4,219.6	
North Carolina									
December 2016	W	W	W	W	-	-	3,436.7	3,506.9	
November 2016	W	W	W	W	-	-	3,642.1	3,694.8	
December 2015	W	W	W	W	-	-	3,332.9	3,391.5	
South Carolina									
December 2016	16.2	-	W	W	-	-	2,581.7	2,597.9	
November 2016	10.8	-	W	2,733.9	-	W	2,734.8	2,745.6	
December 2015	8.6	-	-	2,387.5	-	-	2,387.5	2,396.2	
Virginia									
December 2016	W	W	80.7	W	-	W	3,665.2	3,738.7	
November 2016	W	W	20.4	W	-	W	3,750.8	3,768.1	
December 2015	W	W	44.6	W	-	W	3,222.6	3,293.9	
West Virginia									
December 2016	W	W	11.3	988.7	-	-	1,000.1	1,010.2	
November 2016	4.1	W	9.9	W	-	-	W	1,002.3	
December 2015	3.7	3.7	W	W	-	-	1,017.5	1,025.0	
PAD District 2									
December 2016	W	2,454.4	58.5	45,133.3	-	-	45,191.8	47,955.1	
November 2016	W	1,160.3	58.8	51,568.1	-	-	51,626.8	52,920.6	
December 2015	W	1,462.4	80.5	W	W	-	46,295.1	47,887.6	
Illinois									
December 2016	13.6	112.5	-	5,431.2	-	-	5,431.2	5,557.3	
November 2016	6.1	50.0	-	6,184.2	-	-	6,184.2	6,240.3	
December 2015	5.6	75.0	-	5,787.3	-	-	5,787.3	5,867.9	
Indiana									
December 2016	41.5	31.3	-	4,352.7	-	-	4,352.7	4,425.5	
November 2016	21.3	13.7	W	W	-	-	4,712.4	4,747.4	
December 2015	18.1	24.3	W	W	-	-	4,244.2	4,286.6	
Iowa									
December 2016	3.0	327.4	W	W	-	-	2,244.7	2,575.1	
November 2016	1.1	172.7	W	W	-	-	3,189.9	3,363.8	
December 2015	2.1	187.7	W	W	-	-	2,292.5	2,482.3	
Kansas									
December 2016	W	W	-	W	-	-	2,747.0	2,932.6	
November 2016	2.7	110.2	-	3,080.8	-	-	3,080.8	3,193.6	
December 2015	W	W	-	2,545.9	-	-	2,545.9	2,680.9	
Kentucky									
December 2016	W	W	W	W	-	-	2,438.1	2,487.8	
November 2016	W	W	W	W	-	-	2,622.7	2,653.5	
December 2015	W	6.9	W	W	-	-	2,432.8	2,457.5	
Michigan									
December 2016	22.3	35.5	W	W	-	-	2,944.1	3,002.0	
November 2016	W	W	W	W	-	-	3,363.3	3,384.9	
December 2015	W	W	W	W	-	-	2,870.4	2,901.5	
Minnesota									
December 2016	W	W	W	W	-	-	2,155.7	2,695.9	
November 2016	W	W	W	W	-	-	2,905.8	3,159.4	
December 2015	W	W	W	W	-	-	2,408.9	2,700.4	
Missouri									
December 2016	2.1	27.4	W	W	-	-	3,436.5	3,466.0	
November 2016	0.6	14.5	W	W	-	-	3,643.7	3,658.8	
December 2015	0.9	17.6	W	W	-	-	3,276.3	3,294.8	

See footnotes at end of table.

Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state (cont.)
thousand gallons per day

Geographic area month	Kerosene	No. 2 distillate						Total distillate and kerosene		
		No. 2 diesel fuel								
		No. 1 distillate	No. 2 fuel oil	Ultra-low sulfur	Low-sulfur	High-sulfur	No. 2 distillate			
PAD District 2 (cont.)										
Nebraska										
December 2016	-	213.0	W	W	-	-	1,642.7	1,855.7		
November 2016	-	112.1	W	W	-	-	1,948.6	2,060.7		
December 2015	-	134.9	W	W	-	-	1,717.8	1,852.7		
North Dakota										
December 2016	W	W	W	W	-	-	1,280.7	1,906.3		
November 2016	W	W	W	W	-	-	1,618.3	1,851.9		
December 2015	0.6	355.3	W	W	-	-	1,374.0	1,729.8		
Ohio										
December 2016	W	W	W	W	-	-	5,262.8	5,329.2		
November 2016	W	W	W	W	-	-	5,886.5	5,916.9		
December 2015	W	W	1.3	W	W	-	5,336.3	5,375.3		
Oklahoma										
December 2016	W	W	W	W	-	-	4,761.7	4,781.3		
November 2016	W	W	W	W	-	-	4,952.0	4,956.3		
December 2015	W	W	W	W	-	-	5,156.1	5,167.1		
South Dakota										
December 2016	0.7	219.6	W	W	-	-	531.9	752.2		
November 2016	W	W	W	W	-	-	824.3	944.5		
December 2015	W	W	W	W	-	-	717.7	842.8		
Tennessee										
December 2016	W	W	-	3,365.9	-	-	3,365.9	3,379.4		
November 2016	W	W	-	3,676.2	-	-	3,676.2	3,684.0		
December 2015	W	W	-	3,547.8	-	-	3,547.8	3,556.3		
Wisconsin										
December 2016	16.1	196.5	W	W	-	-	2,596.2	2,808.8		
November 2016	8.7	77.8	W	W	-	-	3,018.1	3,104.6		
December 2015	3.8	100.7	W	W	-	-	2,587.1	2,691.6		
PAD District 3										
December 2016	W	W	274.0	32,729.9	W	W	33,272.3	33,864.0		
November 2016	601.0	1.6	311.7	34,990.0	W	W	35,678.6	36,281.3		
December 2015	W	W	68.5	35,179.1	W	W	35,469.1	36,209.3		
Alabama										
December 2016	W	-	-	2,557.5	-	W	W	2,591.9		
November 2016	W	-	-	2,590.6	-	W	W	2,636.8		
December 2015	W	-	-	2,847.3	-	W	W	2,865.3		
Arkansas										
December 2016	W	W	W	W	-	-	1,825.4	1,826.3		
November 2016	W	W	W	W	-	-	1,950.4	1,950.9		
December 2015	-	W	W	W	-	-	W	1,805.5		
Louisiana										
December 2016	W	W	W	W	-	W	6,100.4	6,652.8		
November 2016	W	W	W	W	-	123.6	6,514.5	7,084.5		
December 2015	W	-	W	W	-	W	W	6,305.1		
Mississippi										
December 2016	W	-	-	1,798.2	-	W	W	1,810.1		
November 2016	W	-	W	W	-	W	W	2,038.9		
December 2015	W	-	-	2,027.4	-	W	W	2,029.9		
New Mexico										
December 2016	-	W	-	W	-	-	W	1,830.6		
November 2016	-	W	-	W	-	-	W	1,806.4		
December 2015	W	W	-	1,751.0	-	-	1,751.0	1,751.7		
Texas										
December 2016	5.9	-	W	18,710.3	W	159.3	19,146.4	19,152.1		
November 2016	4.2	-	W	20,285.5	W	200.1	20,759.6	20,763.8		
December 2015	W	W	-	21,243.4	W	W	21,394.1	21,451.8		

See footnotes at end of table.

Table 47. Prime supplier sales volumes of distillate fuel oils and kerosene by PAD District and state (cont.)
thousand gallons per day

Geographic area month	Kerosene	No. 2 distillate						Total distillate and kerosene	
		No. 2 diesel fuel							
		No. 1 distillate	No. 2 fuel oil	Ultra-low sulfur	Low-sulfur	High-sulfur	No. 2 distillate		
PAD District 4									
December 2016	-	473.7	W	W	-	-	8,116.1	8,589.7	
November 2016	-	259.0	W	W	-	-	8,672.8	8,931.7	
December 2015	W	W	W	W	-	-	8,056.9	8,449.7	
Colorado									
December 2016	-	118.4	-	1,962.5	-	-	1,962.5	2,080.8	
November 2016	-	72.5	-	2,041.5	-	-	2,041.5	2,114.0	
December 2015	W	W	-	2,073.7	-	-	2,073.7	2,187.4	
Idaho									
December 2016	-	31.6	W	W	-	-	1,297.0	1,328.7	
November 2016	-	23.1	W	W	-	-	1,462.0	1,485.1	
December 2015	-	41.2	W	W	-	-	1,390.5	1,431.6	
Montana									
December 2016	-	159.5	W	W	-	-	1,510.9	1,670.5	
November 2016	-	81.4	W	W	-	-	1,640.2	1,721.6	
December 2015	-	85.0	W	W	-	-	1,284.1	1,369.1	
Utah									
December 2016	-	47.8	W	W	-	-	1,940.7	1,988.5	
November 2016	-	20.5	W	W	-	-	1,984.0	2,004.4	
December 2015	W	W	-	1,966.8	-	-	1,966.8	2,033.4	
Wyoming									
December 2016	-	116.3	-	W	-	-	1,404.9	1,521.3	
November 2016	-	61.5	-	W	-	-	1,545.1	1,606.6	
December 2015	-	86.4	-	W	-	-	1,341.8	1,428.2	
PAD District 5									
December 2016	W	W	W	W	W	634.9	19,732.5	20,297.6	
November 2016	W	W	W	W	W	674.1	20,167.3	20,615.3	
December 2015	48.2	661.5	W	W	W	W	20,149.9	20,859.5	
Alaska									
December 2016	-	W	W	W	-	-	W	645.4	
November 2016	-	378.9	W	W	-	W	221.3	600.2	
December 2015	-	W	W	104.2	-	-	W	772.7	
Arizona									
December 2016	-	-	-	2,547.1	-	-	2,547.1	2,547.1	
November 2016	-	-	-	2,569.9	-	-	2,569.9	2,569.9	
December 2015	-	-	-	2,679.4	-	-	2,679.4	2,679.4	
California									
December 2016	W	W	-	W	-	W	10,384.6	10,435.9	
November 2016	W	W	-	W	-	W	10,667.8	10,695.2	
December 2015	W	W	-	W	-	W	10,514.2	10,578.1	
Hawaii									
December 2016	-	-	-	261.8	W	W	655.8	655.8	
November 2016	-	-	-	264.7	W	W	758.5	758.5	
December 2015	-	-	-	W	W	381.5	697.2	697.2	
Nevada									
December 2016	W	W	W	W	-	-	1,224.5	1,232.8	
November 2016	W	W	W	W	-	-	1,234.5	1,240.7	
December 2015	W	W	W	W	-	-	1,236.2	1,248.5	
Oregon									
December 2016	W	W	-	W	-	W	1,893.2	1,930.3	
November 2016	W	W	-	W	-	W	1,893.7	1,919.8	
December 2015	W	49.3	-	1,881.4	-	W	W	1,933.6	
Washington									
December 2016	W	18.7	W	W	-	W	W	2,850.4	
November 2016	W	W	W	2,802.1	-	W	2,821.7	2,831.0	
December 2015	-	12.5	W	2,908.2	-	W	2,937.5	2,950.1	

- = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: - Total Distillate = No. 1 Distillate + No. 2 Distillate + No. 4 Fuel Oil (published on Table 46). - In January 2007, ultra low-sulfur diesel fuel was added. - Values shown for the current month are preliminary. Values shown for previous months are revised. Data through 2016 are final. Totals may not equal the sum of the components due to rounding.

Sources: - U.S. Energy Information Administration, Form EIA-782C, "Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption."